

ATTACHMENT B

DECLARATION OF DR. LIOR ROSENBERG



Declaration in accordance with 37 CFR 1.132

I, the undersigned Lior Rosenberg MD, a citizen of Israel residing in Omer Israel hereby declare as follows:

1. I am involved in Plastic Surgery and Wound Care since 1974 and serve for the last 25 years as the chairman of the Department of Plastic & Reconstructive surgery at Soroka University Medical Center (including the units for Burns, Hands, Craniofacial Deformities, Reconstruction, Skin Oncology and Hard To Heal Wounds) in Beer Sheva and the Unit for Craniofacial Deformities in Meir Hospital, Kfar Saba. I am a full professor of Plastic & Reconstructive surgery at The Ben Gurion University of the Negev. I founded and chaired for two decades the Center for R & D in Plastic Surgery at the Ben Gurion University of the Negev. I was and still am involved in numerous clinical and preclinical trials many of them in the area of wound healing. Some fruits of my R & D activities resulted in the foundation of biotechnology, pharmaceutical and devices companies (Mediwound LTD, 4MED LTD, and LRR&D LTD).
2. My CV is attached to this declaration
3. I was requested by the applicants to review the documents regarding the US Patent Application Serial number 10/560,063. Specifically I have reviewed the application, including the currently pending claims, the office action mailed on February 15, 2011 and the prior art cited by the Examiner in the office action – Malodobry (US 2004/0111107); Bogart et al. (US 5,271,943), and Garitano et al. (US2004/0158196).

I have no interest in the outcome of this case.

4. Because of my background in this area or art, I was skeptical that the invention as claimed would successfully work.
5. A proper beginning to this declaration is to identify the skills and skill level that would be required of one of ordinary skill in the art in order to carry out the claimed invention. It is obvious that at a basic level the method of the invention can be carried out by any reasonably skilled tattoo artist who could successfully remove a tattoo by following the procedure described in the application and claims without having any



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specialized medical or academic training. At a higher level a dermatologist or plastic surgeon having the required academic training and a moderate amount of practical experience would be capable if not overqualified to carry out the relatively simple procedure of the invention.

6. In view of my professional experience and CV I consider myself a qualified candidate to understand the role of a "person of ordinary skill in the art" for purposes of considering the validity of the obvious rejections of the claims that have been made in the present office action and the prior art references that have been cited.
 7. The next question that has to be addressed is whether the person of ordinary skill in the art would combine the references cited by the examiner. The starting point for analyzing this question is presumably the patent application, or at least the method of Malodobry as described in the application. The main question then is whether the skilled person would look for and find the patent of Bogart and having knowledge of the teachings of Bogart would he recognize that these teachings should be combined with the method of Malodobry? This question has two aspects that must be considered. Firstly from a practical aspect would the person of ordinary skill have knowledge of or easy access to the cited documents and secondly would there be any motivation to perform such a search?
 8. A tattoo artist could easily know of the method of Malodobry and even practice it but in my opinion he would practice the method as taught, would find no motivation in Malodobry to search for any way to modify the method. Without casting doubt on the intelligence or educational level of the tattoo artist of average skill, I do not believe that he would be likely to carry out a literature search, especially in patent databases, that would result in his discovering the Bogart reference.
 9. A dermatologist or plastic surgeon as myself, would also not find any motivation in Malodobry to look further. However, based on his knowledge of the biological/medical issues, mainly regarding inflammatory reaction and wound care process especially relating to the issue of removal of small foreign bodies from wounds, as proposed by the examiner, he theoretically might be motivated to look for ways to improve this aspect of the method of Malodobry. A dermatologist or plastic surgeon would certainly be capable of carrying out a literature search on this topic.



10. As a part of my clinical practice I take care of numerous tattoo patients, some done for cosmetic purposes but some are the results of trauma with imbedded foreign bodies that caused what is known as "traumatic tattoo". We are using the means and methods that are instructed in text books and peer-reviewed papers namely: Dermabrasion (of all kinds), laser and intense, pulsed light sources therapy and complete excision followed by reconstruction. Thus, I am aware of the current state of the art and the failure of others to solve the problems addressed by the invention of the subject patent application. The method and means advocated by Malodobry were never unearthed by my team (11 doctors strong) or me not in our frequent literature searches nor in our numerous involvements in national and professional international congresses and meetings. When this issue was brought by me in one of our weekly "Grand Rounds" none of these board certified plastic surgeons and residents in plastic surgery heard about this approach.
11. A dermatologist or plastic surgeon as myself, would search for information relative to methods of tattoo removal in the scientific literature. The following are the only two papers published (in Polish) by Malodobry and they are not relevant to tattoos or their removal
1. Hemorrhage from gastric myoma. Malodobry T. Wiad Lek. 1971 Dec 15;24(24):2299-300. Polish. No abstract available. PMID: 5316497
 2. Gastric gangrene in the course of encortone treatment. Malodobry T. Pol Tyg Lek. 1970 Aug 24;25(34):1296. Polish. No abstract available. PMID: 5507162
- Thus, even a professional skilled person such as academic plastic surgeon or dermatologist will not find the information needed to practice the Malodobry method.
12. Assuming that I were a skilled person who was aware of Malodobry's patent application and recognized that Malodobry's method could be improved by finding a way of "accelerating a process of migration of said pigments toward an outer layer of skin" (using hindsight to quote the independent claim of the present invention) and carried out a literature search to find such a method and that Bogart's patent was included in the search results then I would have considered this reference to not be relevant to the problem that I was trying to solve, and thus Malodobry should not be combined with Bogart.

In fact, the stated purpose of Bogart, et al. is to provide therapeutic gels which promote the healing of wounds [see the abstract for



example]. Since healing wounds is the opposite of encouraging infection-inflammation by irritating the wound, which is the intention of both Malodobry and the present invention, there is no justification for assuming that a skilled person looking for a way to implement Malodobry's suggestion would turn to the teaching of Bogart, et al.

13. It appears much more likely that if a skilled person were looking for a way to implement Malodobry's suggestion by means of an electronic data base search were to encounter Bogart, et al. this publication would have been considered as irrelevant to the purpose of the search on the basis of the abstract alone, which begins with the words "Therapeutic gels are provided which promote the healing of wounds". This would not arouse the interest of anyone looking for a method of encouraging infection-inflammation especially as gels for wound care are well known and used in burn care.
14. Now I will relate to specific aspects of the invention, Malodobry, and Bogart et al. that in my opinion are relevant to the Examiner's rejections of the claims on the grounds that it would have been obvious for a person skilled in the art to have been motivated to make specific combinations of selected teachings of the prior art and, as a result, to have arrived at the method defined by the claims of the present application. I will discuss the relevance of Garitano, et al. herein below.
15. As far as I understand, in the applicant's invention as claimed they describe the following stages (I will use a slightly different terminology in order to illustrate my understandings):
 - A. Causing localized trauma at the site and depth of the encapsulated pigment's particles (mainly superficial down to the mid-deep dermis). This localized trauma has multitudes of outlets to the skin surface.
 - B. It is the inventor's proclaimed intention to **cause** acute infectious-inflammatory reaction "...the method involves "encouraging infection", which may aid the pigments to migrate ..." (page 10 lines 12-13) and **not** to heal wounds (not unlike the *Laudable Pus* and the *Seaton* of old...). The goal of this inflammatory reaction as well as the mechanical action of the needles repeatedly penetrating and being withdrawn from the skin is to free the minute encapsulated foreign bodies within the dermal cells and matrix, to increase the target area hydration (inflammatory edema, serum/lymph sucked



into the tissue by vacuum and possibly even external infiltration of the treated area with saline/water as claimed pending Claim 14.

- C. Actively sucking the tissues debris, pigments and interstitial fluids through the punctured holes "*The aqueous mixture and cellular debris in the punctured area of skin are drawn into the pad*" (page 8 lines 7-8).
16. Once these three principles are understood the means that the inventors use and have claimed are direct and innovative in their combination.
- A. The localized trauma is inflicted by the same means and in the same way that originally has been used to implant the pigment particles: multiple, depth-regulated needle punctures that dislodge the encapsulated pigment granules from the cells and dermal matrix. This mechanical trauma not only initiates acute inflammatory response well known to science but also opens conduits from each micro trauma site (needle prick) to the skin surface.
- B. As mentioned, the trauma-induced inflammatory process increases tissue fluids content in the form of interstitial edema, serum/lymph extravasation and even some capillary bleeding. These fluids may spill over through the needle conduits but this spillage depends on the pressure differences (that is not great) and the conduit's patency. A needle prick will not remain patent for long; it will be closed in few seconds by fibrin or blood clot. Using any absorbent material or dressing will clear away the spilled-over fluids and particles but will not clear those in the tissue's interstitium. This will cause the pigment particles probably to be dislocated from their original site in the dermal matrix but to remain in the tissue and re-implant again, mostly in the dermis, causing at best blurring of the tattoo lines but not removing them.
- C. In view of these facts, the inventors added another crucial stage in their protocol: forceful, active drawing of the interstitial fluids and the particles it contains. It is done by two means: physical and optionally pneumatic.
Using hygroscopic dressing has more or less the same effect as the application of a vacuum but in a slightly different mechanism. The formidable hygroscopic force sucks out the fluids together with the tissue's debris and tattoo's pigments.



Obviously the purpose of the applicant's dressing (paste) is not to heal wounds, on the contrary: The purpose in addition to providing the hygroscopic force in order to maximize the amount of pigment that can be removed from the dermis in the time interval before either the puncture holes close is to continue and irritate (to a certain point) the area in order to increase inflammation, swelling and "weeping". By doing so it also keeps the conduits open and functional (draining).

17. Regarding the combination of Malodobry with Bogart, et al. as one skilled in the art I disagree with the examiner that a skilled person would combine the teaching of these two documents.

- A. Malodobry (even if his method could be found) does not teach any suggestion of adding a pad with a salt based paste "capable of accelerating a process of migration of said pigments toward an outer layer of the skin".

The examiner argues based on the teaching of paragraphs 0050-0052 and 0049 that this is what Malodobry teaches; however I think that Malodobry only teaches using a skin irritant to keep the skin inflamed and therefore to slow the process of healing, i.e. sealing of the holes made by the needles.

Prolonging the period of time that exudates can exit the wound is not the same as actively causing exudates outflow and actively increasing the rate of exudation to speed up and complete the process of removing the pigments from the dermis in less time. Amongst other things the relatively strong flow of fluid caused by the paste of the invention will provide sufficient force to move the pigment fragments to the surface. If the flow of fluid is weak as it would be by simply keeping the holes open and "allowing nature to take its course" there might not be enough force to carry the fragments to the surface and eventually the hole will plug, probably with some of the pigment's particles imbedded in them. Thus although the net result might be that the total amount of fluid that migrates to the surface would be similar in both methods, the total amount of pigment fragments "swept along with the stream" might vary greatly.

This is the reason that in the method of the invention one treatment is enough to essentially remove the entire tattoo and using the method of Malodobry it is believed, if there will any effect at all,



more than one treatment will be needed. Malodobry specifically states in 0051 that "Skin irritants which have a potential for a heavy skin irritation should also be less suitable according to the present invention". This is directly opposed to the experimental evidence that Applicant has presented that a paste comprising 50% salt, which will cause a "heavy skin irritation" if left in contact with the skin for very long, is used. Further in 0052 Malodobry writes: "According to the present invention, it is particularly preferred to employ corresponding skin irritants which consist of diluted aqueous solutions, dispersions and emulsions of the skin irritants."

B. Bogart teaches a therapeutic gel, one of many, that promotes the healing of wounds. The main characteristic of the gel of Bogart, et al. that, according to him, allows them to promote the healing of wounds is the viscosity of the gel that is within a very specific range of values. The novelty of the invention of Bogart, et al. is that they have discovered a saline based gel whose characteristics give it "the unique ability both to conform to the interstices of a wound and to remain in the wound and not flow out of it when the patient moves" [col. 3, lines 36-40]. As stated elsewhere in the patent." The gels of the invention having the specified maximum viscosity and the minimum yield point of the invention flow easily into the convolutions of a wound, even one as deeply embedded as the Stage 3 wound shown in FIG. 2, and stay there, notwithstanding movement of the patient or the force of gravity." [col.5, lines 15-20]

There is no teaching or obvious connection between the teaching of Bogart, et al. and the problems of removal of tattoos or using hypertonic particles or transforming the gel into a hypertonic, absorbing medium. It is expected that a gel that will absorb fluids will become more diluted, less dense, loosing its original characteristics and defying the goals of the invention of Bogart, et al.

C. In view of A) and B) it is my considered opinion that there is nothing to suggest to one of ordinary skill, much less an expert, in the removal of tattoos using the method of Malodobry (if there was such an expert at the time other than Malodobry himself) to search in the art for a method of "accelerating the process of migration ...".

Both Malodobry and the present invention (and nowhere else in any of the prior art cited by the examiner) teach a method of removing tattoos in which the first step comprises mechanical destruction of the pigment containing cells by the needles.



Following the first step (or during it) Malodobry teaches a step of irritating the skin to keep the pores from closing – this can be accomplished as taught by Malodobry, i.e. by using dilute aqueous solutions of irritants. Malodobry teaches a specific method of applying the skin irritants, i.e. by injecting them into the dermis using hollow needles (par 0043).

Obviously injecting the skin will not accelerate outflow of fluids and particles. It will cause swelling and edema of the dermal matrix and its Hyluronic Acid countenance, imbedding even farther the tattoo particles, and closing the holes.

Nonetheless, Malodobry teaches what he claims is a method for causing the pigments to flow to the surface and there is no need to look further.

The suggestion for a second step comprised of applying a material to "accelerate ..." is found in the present application; there is no teaching in the prior art that suggests this step. The examiner has presented no evidence that at the time of the invention the thought of either removing tattoos by a method comprised of two steps as described in claim 1 or that the second step was needed had occurred to any person practicing the art of tattoo removal.

D. A person skilled in the art of removing tattoos and specifically in using the method of Malodobry to remove tattoos would most likely not have any skill in the art taught in B and vice versa. Therefore it seems highly unlikely that a skilled person practicing the art of tattoo removal by the method of Malodobry would look for or find the patent application of Bogart, et al.

Even if it is assumed (although there is no basis for such an assumption) that one of ordinary skill were looking for a way to improve the method of Malodobry in the manner in which the examiner suggests, then at least from the contents of the title and abstract, which are the normal elements of a publication searched and reviewed by a person doing a literature search, there is no indication of anything in Bogart, et al. that could be of use to him.

E. The examiner gives a number of reasons to justify his assumption that it would have been obvious to one of ordinary skill in the art in view of Bogart, et al. to use a pad and paste as claimed. I believe



that these represent "solutions" that are artificially contrived in view of the knowledge of the present invention and not "obvious" solutions to one of ordinary skill to problems that could have been faced by practitioners of the method of Malodobry at the time of the invention. Specifically:

- i. The office action states: "The device and method of Bogart, et al. would provide one of ordinary skill in the art with a specific device and method for implementing Malodobry's suggestion of using sodium chloride irritant to increase wound exudates of drainage."

Firstly Malodobry doesn't explicitly make this suggestion. An equally plausible suggestion that can be inferred from Malodobry is to use the irritant to "delay the wound healing", i.e. closure of the holes made by the needles (see for example par. 0051).

Secondly, as opposed to the contention of the examiner, Malodobry does suggest a specific method of applying the skin irritants, i.e. by injecting them into the dermis using hollow needles (par 0043). Thus the skilled person would not necessarily have to look for an alternative method, *unless the examiner can prove that the injection method was not effective*. Generally injections into the tissue are known to be more effective than topical application on the skin surface.

According to the examiner Malodobry teaches that the exudates carry the pigments to the surface (par 0049). The examiner can not have it both ways, if this is what Malodobry teaches, then the examiner must admit that the skilled person would not have to look any further and specifically not to Bogart, et al. to accomplish the same thing.

- ii. Referring to the examiner's comment that Bogart et al. teach that their method will sweep bacteria to the surface (pg. 5, lines 3-7 of the office action ("One of ordinary skill in the art would recognize that the device and method of Bogart et al. would especially enable the exudate to carry the pigments as intended by Malodobry because Bogart et al. teaches that their method would cause exude to sweep bacteria to the outer layer and bacteria can be as large or larger than the pigment conglomerates.").



I am afraid that the examiner has a basic misconception regarding the two wound entities:

1. A needle prick wound is caused by the needle separating the tissue's structure without any tissue defect and once the needle is withdrawn this "virtual" wound collapses.
2. The open wound bed that Bogart refers to is a real tissue defect that the gel should fill and remain within. In the cases of a large open wound with a bed filled with bacteria contaminated exudates a gel in Bogart, et al.'s teaching may be beneficial as it remains in the wound to exert its activity. Applying gel, even Bogart, et al.'s more dense and adhering gel will not penetrate the collapsed needle pricks.

Another issue is the quantum difference in size of the tattoo's pigment particles (>5 microns) and bacteria that are less than a micron. Bacteria size pigments will be eliminated by the macrophages and other cellular defense process (as is done in laser tattoo removal where the laser explodes the tattoo particles to smaller fragments that are eliminated).

To conclude, Bogart, et al.'s teaching and their gel are completely irrelevant and are useless to the invention.

- iii. The office action states: "One of ordinary skill in the art would at least be motivated to apply the method of Bogart, et al. to heal the wound of Malodobry after the pigments are substantially removed. The steps provided by Bogart, et al. could still be considered as part of the overall method of pigment removal".

Firstly, at this stage according to the present invention the pad with the granular salt has accomplished its purpose and is removed from the treatment site – it would not be added at this point in the procedure as suggested by the examiner.

Secondly there is no reason to use the gel of Bogart, et al. to heal the wound. "The wound" is a healthy, irritated skin with multiple needle pricks in it. Such a skin will need a topical ointment that will attenuate and decrease inflammation. There are literally hundreds of such topical medicaments in the market that will perform better in healing the skin than the method of Bogart, et al. proposes. Healing the wound



after the pigments are substantially removed would require using a gel, cream or ointment that are isotonic with a much lower concentration of salts (to heal the wound and not continue irritating the skin).

Thirdly, using the method of Bogart, et al. to heal the wound would be a total failure. It is clear from Bogart, et al. that the gel is intended for healing large, open and deep wounds with substantial large raw surface, i.e. stage 3 wounds. The gel is given very specific physical properties that according to Bogart, et al. allow it to flow into and remain in the (open) wound. The "wounds" created by the method of Malodobry are mere pin pricks, "virtual" wounds that collapse as soon as the needle is withdrawn and will be sealed by the coagulated blood or fibrin clot. The gel, especially the dense gel of Bogart, et al. will not enter into such "wounds" that will anyhow heal spontaneously in a very short time. At most a light bandage with a relatively mild antiseptic and/or antibiotic material is required to cover the wounds. A skilled person would not contemplate using the gel of Bogart, et al., especially in the form of a hypertonic gel (25% or higher concentration of salt) to heal the "wounds" of Malodobry.

Fourthly I do not understand the examiner's logic. How can "the steps provided by Bogart, et al." when applied after the pigments have been substantially removed "be considered as part of the overall method of pigment removal."

- iv. Commenting on the examiner's contention that Malodobry teaches the use of solid skin irritants (see pg. 9, lines 8-10 of the office action. It is difficult to understand what was meant by using solid sodium chloride as a "filler in the cell". I can not realize, even by using my most vivid imagination, how solids will be introduced through the collapsed virtual needle pricks into the ruptured cells.
18. Rejection of claims 6, 7, 19, and 20 over Malodobry in view of Bogart, et al. and further in view of Garitano et al.
 - A. The examiner acknowledges that Malodobry and Bogart, et al. do not teach the use of suction.



I contend that Garitano et al. does not teach anything useful to one of ordinary skill that would motivate a skilled person to modify the method of Malodobry, with or without Bogart, et al., to use suction.

Garitano et al. teaches a needleless tattoo device that is based on high pressure. Needleless injectors are well known to the art, have been known for decades, and to the best of my knowledge never were used to remove tattoo.

- B. There is no teaching in Garitano et al. of how suction could be applied to improve the method of Malodobry.
- C. The method of Garitano et al. obviously teaches away from Malodobry. Even assuming that the method of Garitano et al. could work to break the pigments in the dermis apart, the stream of solution being injected into the skin would tend to at best hinder the upward movement of the pigment fragments and at worst drive them even further into the skin or promote fibrosis around them.
- D. The "teaching" of suction in Garitano et al. is related to embodiments of the invention in which a tattoo can be removed "by injecting a solution that solubilizes the pigment and removing the solution. Any type of removal is contemplated. In some embodiments solution removal comprises suction or drainage of the solution from the skin (par. 0023)".

At no other place in Garitano et al. is there any discussion or enabling teaching of these embodiments. There is no discussion of what solutions can be used to "solubilize the pigment". There is no description of how the suction is applied or if the needless injector device is somehow modified to provide suction ports or if an additional device must be supplied.

By nature, the tattoo is based on encapsulation in fibrous tissue of stained, biocompatible granules. It is impossible to dissolve these granules or to dissolve their pigments.

The method seems to be questionable at best for at least the reason that the suction could not be applied at the same time that the solution is being injected into the skin, since this would result in a "contest between the injection device and the suction means to determine the direction that the solution should move into the skin or out of it".



19. Conclusion

In view of my clinical experience and knowledge of the art, I am well aware of the efforts that have been made over the centuries and are currently being made by practitioners of the art of tattoo removal to develop a method that completely removes the tattoo, leaves the skin unblemished, causes minimal discomfort to the patient, and requires a minimal amount of time to carry out.

After thoroughly studying the documents referred to herein I have come to the conclusion that the cited prior art besides not being feasible or relevant to the issue of tattoo removal, even if realized, or even should be combined, would not provide any significant improvement over the limitations of the currently practiced methods.

On the other hand, despite my initial skepticism, I am now of the opinion that the invention as claimed would provide the desired results and represents a significant contribution to the art.

The inventors present a new, ingenious but simple system for removing imbedded foreign bodies (such as tattoo) as claimed by:

- A. Recreating the original causative trauma (needle puncturing)
- B. Modulating local inflammation (educated and controlled use of hygroscopic forces, i.e. the salt-based granular paste, in combination with antimicrobial agents)
- C. Active suction of the fluids, debris and pigments by hygroscopic forces

To the best of my knowledge nowhere in the literature is a description of inflicted pinpoint (literally!), well aimed trauma in order to dislodge micro, intradermal foreign bodies followed by hygroscopic suction to remove the dislodged particles.

In spite the fact that all components of the system are known and may be used in medicine in one way or another, in view of my knowledge of The Art this combination and sequence of actions and means is clearly innovative, feasible and answers an unmet need of many.

20. I hereby declare that all statements made herein of my own knowledge are true and that all statements made herein on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of



Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the subject application or any patent issuing thereon.

21. The name and signature below are my name and signature.

Prof. Lior Rosenberg, MD
This day of August 07, 2011

CURRICULUM VITAE

PROF. LIOR ROSENBERG, M.D.

PERSONAL

Name: Lior Rosenberg (לייאור רוזנברג)

Born: 21 July 1945, Tel Aviv, Israel

Address:

Home: 13 Harduf St., Omer, Israel. Phone: 08-6469922 Fax: 08-6460478

Work: Dept. of Plastic Surgery, Soroka Hospital, Beer Sheva. Phone: 08-6400880

Married to Tal Ayalon (Architect).

Fathers three daughters: Hillah, Zohar and Ori.

Regular military services:

1963-1965 Military Service, Israel Defense Forces

1973-1975 Volunteer military service, Major.

(Flight surgeon, rescue coordinator of Military Medical Services).

EDUCATION

1951-1959 Primary School "Elharisi", Tel Baruch, Tel Aviv

1959-1963 High School "Alliance", Ramat Aviv

1965-1966 Strasbourg, France: 1) C.P.E.M. 2) Ecole de Beaux Arts

1966-1970 Faculty of Medicine, University of Siena, Siena, Italy

Several picture exhibitions in Israel and Europe
(special prize Montepulciano, 1969)

1970-1972 Tel Aviv Medical School.

1972 M.D. Thesis: "Self locking screws" (Tutoring by Prof. Conforty).
Passed U.S. E.C.F.M.G.

1972 Israel Medical License No: 11503

1981 Board Certify in Plastic Surgery, No: 7048

RESIDENCY, COURSES AND FELLOWSHIPS:

Residency

- 1974 Meir Hospital, Kfar Saba, Orthopedic & Hand Surgery (Prof. Conforty).
- 1975-1977 Meir Hospital, Kfar Saba, General Surgery (Prof. Reisse)
- 1977-1981 Soroka Medical Center, Beer Sheva, Dept. of Plastic Surgery (Prof. Mahler)
- 1980 Basic Sciences (Pathology), Soroka Medical Center (Prof. M. Sacks)
- 1981 Boards certify in Plastic Surgery (#7048)
- 1981 Reconstructive Plastic & Hand Surgery Course, Cannisburn, Glasgow.
(Drs. McGregor, Buck-Gramcko & Lister)
- 1983 Intensive course in Aesthetic Surgery, Montreal, Canada
- 1987 European Instructive Course in Plastic & Hand Surgery, Vittoria, Spain.(Drs. Jackson, Kleinert & O'Brien)
- 1989 I International Training Course in Management of hand Burns, M.B.C. (Faculty)
- 1990 Catastrophes & Mass casualty, (Faculty) Palermo, MBC Italy
- 1995 First International Interdisciplinary Congress of Craniofacial and Skull Base Surgery, Jerusalem, 1996 (Faculty), course in using high velocity bone instruments.
- 1993-present Several courses in the use & safety of lasers in medicine (Bangkok, Tel Aviv, Oxford)
- 1997 The British Society for Dermatological Surgery and the British Medical Laser Association meeting and courses Oxford, Course in the use of the MOHS technique in dermatological oncology.

EMPLOYMENT

- 1963-1965 Military Service, Israel Defense Forces
- 1966-1970 Photoreporter for A.A.F.I.
Animation films for: Israel Television, Taragan Production and "Habira Films"
- 1973-1975 Volunteer military service, Major. (Flight surgeon, rescue coordinator of Military Medical Services).
- 1975-1977 Meir Hospital, Kfar Saba.
- 1977-present Soroka Medical Center, Beer-Sheva.
- 1981-1987 Staff senior consultant in the Dept. of Plastic and Reconstructive Surgery.
- 1986-present Founding chairman of The University Center for Research and Development of advanced Services in Plastic Surgery, Ben-Gurion University.

1987-1988	Deputy-chief of the Department of plastic surgery.
1988-present	Chief of the Department of Plastic & Reconstructive Surgery including the Hand and the Burn Units.
1993	Establishment of the L.R. Research & Development Ltd.
1994	Establishment of the L.R. Surgical Instruments Ltd. (changed 2002 to 4MED Ltd.)
2001	Chief of the National Unite for Craniofacial Deformities Meir & Soroka Hospitals
2001	Foundation (with Clal) & Chief Medical Officer Mediwound LTD

PROFESSIONAL ACTIVITIES

(a) Position in academic administration

1977	Instructor in plastic surgery, Ben Gurion University of the Negev.
1977-1980	In charge of burned children in Dept. of Pediatrics, Soroka Medical Center, Beer- Sheva (approx. 400 patients annually).
1979-1981	Member of 1st and 2nd year student committees.
1981	Lecturer in plastic surgery, Ben Gurion University of the Negev.
1981-1985	Staff member of the Education and Curriculum Development Unit, Faculty of Health Sciences, Ben-Gurion University of the Negev.
1984	Senior lecturer in Plastic Surgery, Faculty of Health Sciences, Ben Gurion University of the Negev
1987-1994	Member of the 2001 Committee for long term planning, the B. G. University.
1987-present	Acting Founder of The Museum of Medicine, Ben-Gurion University (more than 5000 privately owned exhibits from 40,000 BC to the 19th Century).
1989-present	Professor (since 1998 full professor) in Plastic & Reconstructive Surgery, Ben-Gurion University
1999-present	Member of the superior appointment committee BGU
2006	Honorary Professor (The Romanian Association of Plastic Surgeons)

(b) Professional functions & awards outside the B.G.U & The Soroka Hospital

1982	Chairman of the "Jerucon 1982". The First International Integrative Congress of S.F., Fantasy and Speculative Sciences, Jerusalem, 1982.
1983-1990	Editorial Board "Korot" (The J. for Medical History)
1983-1985	Member of the Educational Committee of the Israel Surgeons Society.

- 1984 Founding chairman together with Prof. A. Pincas The Annual Integrative Art & Medicine Seminar (36-40 hours international meeting, Ecole des Beaux Arts, Paris, Faculty of Health Sciences, Ben Gurion University of the Negev).
- 1987-1988 Vice chairman: Israel Society of Plastic Surgeons
- 1987 Beer-Sheva "Man Of The Year In Medicine"
- 1988-1994 Educational committee of the Israel Surgical Society
- 1993- 1995 Founder and head of the Israel Chapter of Operation Smile International: Plastic & Hand Surgery for Developing Countries (previously: "Operation Smile USA").
- 1990-1995 Member of the Acting Board, The Medical Scientific Committee of A.M.I.
- 1990 Founding chairman (together with Dr. A. Eldad) of the I.B.A (the Israel Burn Association).
- 1990-present Founding member and Israel delegate to the M.B.C. (**Mediterranean Burns Council**)
- 1996-2007 Chairman of the I.B.A (Israel Burn Association)

(c) Professional consulting

- 1983-1984 Plastic surgery consultant for "Yofi"
- 1983-1985 Medical consultant for B.G.U. Research Ltd.
- 1983-1991 Plastic surgery consultant, "Down Surgical Ltd." London
- 1984-1987 Consultant for Bard-Parker, Becton-Dickinson, USA
- 1988-1991 Consultant for Dgania Silicon Ltd.
- 1989-1991 Consultant for Travenol (Teva) Ltd.
- 1994-1997 Consultant for ICL Ltd. & Dead Sea Works Ltd. (Wound healing & Burns).
- 1996-present Consultation and R & D for Padgett Instruments USA
- 1997-2000 Consultation and R & D for BTG USA & Israel
- 1997-1999 Consultation and R & D for Rotator Ltd. Israel
- 1997-1999 Consulting and clinical trial for Genzyme Ltd Israel, USA
- 2000- present Foundation (with CBI-Clal Biotechnology Industries) and medical officer of MediWound Ltd.

(d) Teaching

- 1977 -present Wound healing, plastic surgery, traumatology, basics in Hand Surgery & trauma burns. (3rd, 5th & 6th year students. (10 annual lectures).
- 1978-1983 Developer, coordinator and teaching of the Observation-Skills course (1st year students, physical examination skills)
- 1994-1994 Coordinator and teaching of Plastic Surgery (including basics in Hand Surgery Course for Nurses (24 annual hours).
- 1979-present Lectures on burn, accidents prevention and first aid. Skin cancer, early detection in the community.
- 1979-1983 Coordinator of the "History of Medicine" Course (1st year students, 24 hours).
- 1979-1985 In charge of coordination, development and evaluation of the Early Clinical Exposure Courses (1st, 2nd and 3rd year students, 23 courses 20% total Teaching time first 3 years and more than 130 instructors).
- 1989-present Courses in Engineering, Chemical & Bioengineering 3ed. & 4th year, B.G. University:
-Problem definition in medical instrumentation.
-Logical or M.Ds. problem solving ?
-Presentation and analysis of numerous medical inventions and devices.
- 1986-present Thesis tutoring:
B.G. University:
1- Miri Kovliner: A Computerized Burn-Patient file: M.D.
2- Mustapha Shanawi: Folk Medicine of the Negev Bedouins: M.D.
3- Alon Ulevitz: A new silicon wound dressing: M.D.
4- Golan Ron: Pressure Sore Prevention System: Assessment: M.D.
5- Eyal Aspler: Burn Prevention: A Preliminary Plan: M.D.
6- Doron Delkler: Quantitative & Qualitative Surface Bacteriological Assessment: MD
7- Ehud Sharlin: Burn Depth Assessment by Light Reflectance: Ph.D.
8- Ester Shani: Assessment of The Burn prevention Campaign: Ph.D.
9- Sagit Shoshani: Retrospective assessment of the Minimal Trauma Surgical Approach to the Reconstruction of the Cleft Palate. M.D.
10-Nomi Shnide: Assessment of the Burn Prevention program. M.D.
11-Guy Rubin: Dosing of the Debridase debriding agent. M.D.
- Tel Aviv University:
1-Joseph Rotgoltz: Self Locking Pin for internal fixation in digital fractures:
In Vitro & In Vivo study: M.D.
- 1986-present Post Graduate Courses: coordination & lectures:
1. Family Doctors:-Soft Tissues Handling Course.
-Minor Surgery Skills.
-Skin Cancers: Prevention, Early Detection, Treatment and Follow-up.
-Burn Prevention and Treatment.
-Basics in Hand trauma & Surgery.

2. Plastic Surgeons:-Pressure Sores: Pathophysiology, Prevention and Treatment.
- Tissue Expansion.
 - Digital External Fixation.
 - Facial reconstruction.
 - Congenital deformities (especially Cleft Lip & Palate).
 - Cosmetic plastic surgery.
- 1987 Faculty: 1987 European Course of Plastic Surgery.
- 1988 Faculty: II M.B.C annual meeting.
- 1989 Faculty: I International Training Course in Management of hand Burns, M.B.C.
- 1989-1992 International Societies for Surgery of the Hand: Instrumentation committee.
- 1994 Faculty: X M.B.C. annual meeting
- 1995 Faculty: First International Interdisciplinary Congress of Craniofacial and Skull Base Surgery, Jerusalem, 1996.
- 1995present On the boundries of science, BGU for continue education: Plastic Surgery, the last of the great surgeries.
- 1998 Chairman of the 10th. International I.S.B.I (International Society of Burn Injury) Congress in Jerusalem 1998.
- 1999 Chairman of the 12th. International M.B.C (Mediterranean Burn Council) Congress in Jerusalem 1999.

(e) Membership

- 1978-1982 Founding Chairman of the Israel Organization of Residents in Plastic Surgery.
- 1981-present Member of the Israel Surgeons Society.
- 1981-present Member of the Israel Society of Plastic Surgeons.
- 1981-present Member of the Center for Medical Education, Beer- Sheva
- 1981-present Member of the I.P.R.S. (International Plastic & Reconstructive Society).
- 1981-present Member of the I.P.R.S (A.P.S.) (I.P.R.S.-Asian Pacific Section).
- 1981-present National representative and member of the E.B.A. (European Burn Association).
- 1983-present Member: Society of the History of Medicine and Sciences
- 1984 Foundation (with Prof. A. Pincas) of the Inter-Disciplinary International Society (I.D.I.S.) Paris.
- 1984-present Founding Member of the Center for Biomedical Engineering, B.G.U.

- 1984-present National representative and member of the ISBI (International Society for Burn Injuries).
- 1985-present Member of The Society for Research of Origin of Life.
- 1987-present Member of the Scientific Instruments Society.
- 1988-present Founding member of the M.B.C. (The Mediterranean Burn Council: An international society which includes all countries coasting the Mediterranean Sea and represents the burn & disaster medicine in the W.H.O). Since 1990: the Israeli representative
- 1988-present Member of the International Societies for Surgery of the Hand.
- 1990-present Founding secretary/chairman (with Dr. A. Eldad) of the I.B.A. (Israeli Burn Association).
- 1991-present Member of the Israel Society for Surgery of the Hand.
- 1993-present Member of the International Laser Society
- 1995-present Founding Member of the Israel Laser Society
- 1995-present Member of the A.B.A. (American Burn Association).
- 1996-present Member of the I.S.W.H. (International Society for Wound Healing)
- 2001-present Honorary Member of the Brazilian Burn Association.
- 2007-present Knight of the Order Of Malta

AWARDS AND FELLOWSHIPS:

- 1984 Queen Victoria Hospital, East- Grinstead, England (specialization in Plastic, Reconstructive & Hand surgery). Burn treatment in McIndoe Burn Center.
 Children's Hospital and Brigham and Women's Hospital, Harvard Medical School, Boston, Mass., USA (specialized in Plastic, Reconstructive Cranio- Facial and Hand surgery)
- 1985 Mayo Clinic, Rochester, Minnesota, USA
 1. Division of Plastic Surgery . (Specialization in reconstructive surgery, cranio-facial, head and neck). Instructor in the Plastic surgery residency programs.
 2. Biomechanical laboratory (Visiting clinician and scientist) Research in: Biofeedback mechanism in Pressure Sore Prevention; Bone Internal Fixation devices ; Digital External Fixation devices & ergonomic medical instruments.
- 1984 Milwitzky Surgery Award. Hebrew University and Hadassa Medical Center, Jerusalem.
- 1986 The Technion Juludan Prize for Outstanding Research In Application Of Modern Scientific and Engineering Techniques To Medicine.

SCIENTIFIC PUBLICATIONS

(a) Books

1. Editors : Levine Israel, Rosenberg Lior, Rivkin 1996
TEXT BOOK OF MEDICINE (a 900 pages basic text book of medicine in Russian.
LASHET & LR R&D publishers

Editors : Levine Israel, Rosenberg Lior, Rivkin 1997
CLINICAL MEDICINE (Reference book of a practicing physician)
MSPI Moscow: Second, revised edition of the TEXT BOOK OF MEDICINE for Russian speaking countries

(b) Chapters in collective volumes, conference proceedings etc.

1. 1996, TEXT BOOK OF MEDICINE & 1997 CLINICAL MEDICINE Chapters:
Rosenberg, Amir: Burns
Shabshin, Rosenberg: Skin tumors
Rosenberg: Wound healing
Rosenberg: Tissues handling
Rosenberg, Bar: Congenital deformities
Barezowski, Rosenberg: Basics in reconstructive surgery
Rosenberg: Basics in cosmetic surgery
2. 1982 Consultant for several chapters in "The Treatment of the Hand and Splint Making", Bavly, M., Van-Straten, O., 1982.
3. Rosenberg, L. 1983. A new system for skin-graft harvesting. Transactions VIII congress I.P.R.S., Montreal, 1983 *The International Congress for Plastic & Reconstructive Surgery Society (I.P.R.S. VIII, Montreal, 1983 (proceedings)*
4. Rosenberg, L. and Tuvi, F. 1983. Guided regeneration for fractured orbital floor. 1983 *The International Congress for Plastic & Reconstructive Surgery Society (I.P.R.S. VIII, Montreal, (proceedings)* Transactions VIII Congress I.P.R.S., Montreal,
5. Yanai, E., Baruchin, A., Rosner, M. Rosenberg, L. 1983. Decreased scar contracture with topical corticosteroid treatment. Transactions VIII I.P.R.S., Montreal, *The International Congress for Plastic & Reconstructive Surgery Society (I.P.R.S. VIII, Montreal, (proceedings)*
6. Basic suturing and tissue handling techniques Rosenberg, L & A. Singer chapter in:
LACERATIONS AND ACUTE WOUNDS: EVIDENCE BASED DUIDE 2002 ed: F.A. Davis Philadelphia

(c) Publications

1. **Rosenberg L., Mahler D.**
Drainage syringe: a simple method for closed active vacuum drainage.
Br J Plast Surg. 1979 Apr;32(2):114-5.
2. **Mahler D, Yanai E, Rosenberg L, Goldstein J.**
The fate of the buried hair.
Ann Plast Surg. 1980 Aug;5(2):131-8.
3. **Rosenberg, L. and Mahler, D.**
Folklore medicine and burns.
Burns 7: 275, 1980.
4. **Rosenberg L, Goldstein J, Ben-Yakar Y, Mahler D.**
The pedunculated malignant melanoma: a misunderstood and neglected variant.
J Dermatol Surg Oncol. 1981 Feb;7(2):123-6.
5. **Ben-Hur N, Golan J, Rosenberg L, Baruchin A.**
Pedunculated malignant melanoma.
J Dermatol Surg Oncol. 1981 Feb;7(2):127-9.
6. **Mahler D, Ben-Yakar Y, El-Hai Z, Rosenberg L.**
Linear verrucous nevus.
J Dermatol Surg Oncol. 1981 Mar;7(3):262-5.
7. **Baruchin A, Rosenberg L, Itzhaki M.**
Spontaneous restitution ad integrum of a fractured enchondroma in a finger.
Int J Tissue React. 1981 Mar;3(1):17-20. No abstract available.
8. **Rosenberg L, Baruchin AM.**
The spoon splash guard sucker in dermabrasion.
Ann Plast Surg. 1981 Apr;6(4):328-9.
9. **Baruchin A, Rosenberg L.**
A simple device for hair removal in ear and nose surgery.
Ann Plast Surg. 1981 May;6(5):410.
10. **Rosenberg L, Mahler D.**
Extended rotation-transposition of the pectoralis major myocutaneous flap in the repair of lesions over the shoulder.
Br J Plast Surg. 1981 Jul;34(3):322-5.
11. **Baruchin A, Rosenberg L.**
A supernumerary nipple in a rare site. Report of a case.
J Dermatol Surg Oncol. 1981 Nov;7(11):918-9.
12. **Baruchin A, Rosenberg L.**
Carcinoembryonic antigen.
Clin Oncol. 1981 Dec;7(4):387-8.

13. Baruchin, A. **Rosenberg, L.**
Hang gliding: Risks, consequences and conclusions.
The Family Physician 10: 71, 1981.
14. **Rosenberg, L.** and Baruchin, A.
Burns as an occupational hazard of E.N.T. doctors.
Burns 8: 149j, 1981.
15. **Rosenberg, L.** and Goldstein, J.
Consider melanoma in Dx. of Pedunculated tumor.
Skin and Allergy, April, 1981. pp.26.
16. Baruchin, A. and **Rosenberg, L.**
History of surgical instruments.
Ann. Royal Coll. Surg. 63: 442, 1981.
17. Baruchin, A. and **Rosenberg, L.**
Goldenhar's syndrome:
Acta Medica Auxologica, 1982.
18. Baruchin AM, **Rosenberg L.**
Management of fingertip injuries.
J Fam Pract. 1982 Feb;14(2):228, 230.
19. Molcho J, **Rosenberg L**, Dotan Y, Baruchin A, Mahler D.
A new optical method for experimental burn infliction.
Ann Plast Surg. 1982 Mar;8(3):196-204. No abstract available.
20. **Rosenberg L**, Molcho J, Dotan Y, Baruchin A, Mahler D.
Use of the Doppler effect in visible laser light to assess tissue viability by capillary blood flow.
Ann Plast Surg. 1982 Mar;8(3):206-12. No abstract available.
21. Baruchin AM, Mahler D, Hauben DJ, **Rosenberg L.**
The human caudal appendage (human tail).
Br J Plast Surg. 1983 Jan;36(1):120-3. No abstract available
22. **Rosenberg L**, Yanai A, Mahler D.
A nail Island flap for treatment of macrodactyly.
Hand. 1983 Jun;15(2):167-72.
23. Mahler, D., Hauben, D. and **Rosenberg, L.**
Topical treatment of the burn wound.
Ann. Plast. Surg. 36: 120, 1983.
24. **Rosenberg, L.**, Molcho, J., Dotan, Y., Baruchin, A. and Mahler, D.
Laser Doppler in assessment of tissue viability by its capillary blood flow.
Year Book of Plastic Surgery, 1983.
25. **Rosenberg L**, Ferit T, Baruchin A.
The draining syringe: further uses in head and neck surgery.
Am J Otolaryngol. 1983 Nov-Dec;4(6):435-6. No abstract available.

26. **Rosenberg L**, Tanner B.
A fast and simple de-epidermization in corrective mammoplasty.
Aesthetic Plast Surg. 1984;8(4):259-60.
27. Baruchin AM, **Rosenberg L**, Mahler D, Flashkes Y, Weiss J.
Burns caused by faulty water-heating systems (Waterloo scalds).
Burns Incl Therm Inj. 1984 Feb;10(3):207-9. No abstract available
28. Sagi A, **Rosenberg L**, Greiff M, Mahler D.
Squamous-cell carcinoma arising in a pilonidal sinus: a case report and review of the literature.
J Dermatol Surg Oncol. 1984 Mar;10(3):210-2. No abstract available.
29. **Rosenberg L**.
Internal fixation of finger bone fractures: experimental or clinical analysis?
Plast Reconstr Surg. 1984 Sep;74(3):449-50. No abstract available.
30. **Rosenberg L**, Tovi F, Sagi A.
The combined "H" advanced flap.
Laryngoscope. 1984 Nov;94(11 Pt 1):1513-4.
31. **Rosenberg L**.
A versatile procedure for the closure of small skin defects.
Aesthetic Plast Surg. 1985;9(1):23-6.
32. **Rosenberg L**, Rotgoltz J.
A self-locking pin for fixation of small bones and phalanges: a preliminary report.
33. Sagi A, Walter P, Walter MH, Baruchin AM, Mahler D, **Rosenberg L**, Feuchtwanger MM.
"Dermodress", a new temporary skin substitute: pilot study on donor sites.
Int J Tissue React. 1986;8(2):153-6.
34. **Rosenberg L**, Kon M.
An external fixator in finger reconstruction.
J Hand Surg [Br]. 1986 Feb;11(1):147-8.
35. **Rosenberg L**, Kon M.
A "do-it-yourself" distraction fixator for phalangeal bone loss.
Ann Plast Surg. 1986 Apr;16(4):359-60.
36. **Rosenberg L**,
A new system of dermatomes.
Plast Reconstr Surg. 1985 May;75(5):743-9.
37. **Rosenberg L**, Loch E.
Pressure sore prevention system: a new biofeedback approach.
Plast Reconstr Surg. 1985 Jun;75(6):926-8.
38. Tovi F, **Rosenberg L**, Gatot A.
Alternative surgical method for repair of the fractured orbital floor.
Laryngoscope. 1985 Aug;95(8):1004-5. No abstract available.

39. **Rosenberg L**, Mercer D.
The preparation of small dermal grafts.
Ann Plast Surg. 1985 Sep;15(3):270-1.
40. **Rosenberg L**, O'Neill T.
Gillies, or patiala combined needle holder?
Plast Reconstr Surg. 1985 Oct;76(4):649-50. No abstract available.
41. **Rosenberg, L.** Baruchin, A., Mahler, D. and Lewein, M.
Breast reconstruction after mastectomy. The plastic surgeon's viewpoint.
Brit. J. of Sexual Med. 12: 96-100, 1985.
42. **Rosenberg, L.**
Humanistic or human medicine. Harefuah 108:160, 1985.
43. **Rosenberg L.**
A new design of handle for the Micro-Dermatome.
Br J Plast Surg. 1985 Oct;38(4):586-7. No abstract available.
44. Tovi, F. **Rosenberg, L.** and Cipollini, T.
A guided regeneration of the fractured orbital floor.
Revista Ital. di Chir. Plast. 16: 611-616, 1984.
45. **Rosenberg, L.** Jackson, I. T. Sharpe, D.
Large Volume Injection and Infiltration system.
European J. of Plast. Surg. 1986 9:115-117
46. Stahal, N. **Rosenberg, L.** Sagi A.
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European J. of Plast. Surg. 9:130-131 1986.
47. Mahler D, Benmeir P, Ben Yakar Y, Greber B, Sagi A, Hauben D, **Rosenberg, L**, Sarov B.
Treatment of the burned hand: early surgical treatment (1975-85) vs. conservative
treatment (1964-74). A comparative study.
Burns Incl Therm Inj. 1987 Feb;13(1):45-8.
48. Sagi A, Meller Y, Kon M, **Rosenberg, L**, Ben-Yakar Y.
Bilateral hip resection for closure of trochanteric pressure sores: case report.
Paraplegia. 1987 Feb;25(1):39-43.
49. **Rosenberg L.**
The new rapid vertical nystagmus syndrome: preliminary report.
Plast Reconstr Surg. 1987 Mar;79(3):463-4.
50. Sagi A, **Rosenberg L**, Ben-Meir P, Hauben DJ.
'The fire coral' (*Millepora dichotoma*) as a cause of burns: a case report.
Burns Incl Therm Inj. 1987 Aug;13(4):325-6.

51. Jackson IT, Sharpe DT, Polley J, Costanzo C, **Rosenberg, L.**
Use of external reservoirs in tissue expansion.
Plast Reconstr Surg. 1987 Aug;80(2):266-73.
52. **Rosenberg, L.** Mulliken, B. J.
A new Surgical Ink-Well
European J. of Plast. Surg. (1986) 9: 77-78.
53. **Rosenberg, L.** Jackson, I. T. Sagi, A.
A Dynamic External Fixator in digital stabilization.
Europ. J. of Plas. Surg. (1987) 10:40-41.
54. **Rosenberg, L.** :
The Self Locking Pin for internal fixation.
Year Book of pediatric medicine and surgery, 1987
55. Weiss, G. Shafir, R. **Rosenberg, L.**:
Stuck Drain .
P.R.S 80; 644 1987.
56. Shafir, R. Weiss, G. **Rosenberg, L.**:
The Floating Skin Graft.
P.R.S. 80;471 1987.
57. **Rosenberg, L.** Sagi, A. Stahal, N. Greber, B. Ben-Meir, P. :
"Maqua" (Therapeutic Burn) as an indicator of an underlying disease.
P.R.S. 1988 82 (2) 277-80.
58. **Rosenberg, L.** Mahaler, D. Shani, E.:
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Annals of M.B.C. 1;1 36 1988.
59. Weiss J, Herman O, **Rosenberg L**, Shafir R.
Use of meshed Omiderm.
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60. Sagi, A. **Rosenberg, L.** Ben Meir, P. Ben Yakar, J.:
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Bult. of Burn Injury, 4,(3-4) 24 1987.
61. **Rosenberg, L.** Rotgoltz, J.:
The Self Locking Pin for fixation of small bones and phalanges.
(1987) Year Book of Orthopedics.
62. Sagi, A. **Rosenberg, L.** Yohanan, P. Ben-Meir, P. Greber, B. :
Necrotizing Temporal Fascetis Following Permanent Waving - An Unusual Sequel,
Eur. J. Plast. Surg. 10;168-169 1987
63. Shafir, R. Gilboa, D. Weisse, J. **Rosenberg, L.**:
Simple interventions: Let the Child do it himself.
Pediatrics. 81;710-712 1988.

64. Weiss, J. Shafir, R. **Rosenberg, L.**:
 Dermabrasion for giant nevi.
Plast Reconstr Surg. 1988 Mar;81(3):470.
65. Benmeir P, Sagi A, Greber B, Bibi C, Hauben D, **Rosenberg, L**, Ben-Yaqr Y, Mahler D.
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Burns Incl Therm Inj. 1988 Jun;14(3):233-6.
66. **Rosenberg, L**, Sagi A, Stahl N, Greber B, Ben-Meir P.
 Maqua (therapeutic burn) as an indicator of underlying disease.
Plast Reconstr Surg. 1988 Aug;82(2):277-80.
67. Ben Meir, P. Sagi, A. **Rosenberg, L.** Hauben, D. Ben-Yakar, Y. Zirkin, E. Mahaler, D.
 Malignant Fibrous-Hystiocitoma of soft tissues: A report of two cases and revue of the literature. *Eur. J. of Plast. Surg.* 1987 10;155-58.
68. Sagi, A. Goldstein, J. Greber, B. **Rosenberg, L.** Ben-Meir, P. :
 Squamous Cell Ca. Arising in Sebaceous Cyst.
Europ. J. Of. Plast. Surg. 1988 11;87-1988.
69. BenMeir, P. **Rosenberg, L.** Sagi, A. Ben-Yakar, Y. Mahaler, D.:
 Infection beneath Omiderm,
 Burns, 1988 14 (2) 160.
70. Benmeir P, Sagi A, **Rosenberg L**, Picard E, Ben Yakar Y.
 'Sabbath' electric plate burn: a ritual hazard.
Burns Incl Therm Inj. 1989 Feb;15(1):39-41.
71. Weiss, J. Herman, O. **Rosenberg, L.** and Shafir, R.
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Plast Reconstr Surg. 1989 May;83(5):904-6.
72. Benmeir P, Sagi A, **Rosenberg L**.
 An example of burn prevention: the 'Urim' factory fire.
Burns. 1989 Aug;15(4):252-3.
73. Benmeir P, **Rosenberg L**, Sagi A, Ben-Yakar Y.
 Radiator scald burns: a preventable hazard.
Burns. 1990 Apr;16(2):135-6.
74. **Rosenberg, L.** Ben Meir, P. Weiss, J. Shafir, R.:
 Algorithm for hand burns.
Annal of the MBC 2(4):191 1990.
75. Barr, J. Amir, A. **Rosenberg, L.** Perelman, B. Gurlavie, A. Dreyfus, U. Sagi, A.:
 Accidental Self Injection of Fowl Cholera Vaccine into the Hand.
J. Occupational Med. 1990
76. Meir PB, Sagi A, Ben Yakar Y, **Rosenberg L**.
 Suicide attempts by self-immolation--our experience.
Burns. 1990 Aug;16(4):257-8.

77. Benmeir P, **Rosenberg L**, Sagi A, Vardi D, Eldad A.
Jellyfish envenomation: a summer epidemic.
Burns. 1990 Dec;16(6):471-2.
78. Benmeir P, Sagi A, Hertzanu Y, Zirkin H, **Rosenberg L**, Peiser J, Hauben D, Ben-Yakar Y, Tiberin P.
Primary and secondary spinal epidural extraskeletal Ewing's sarcoma. Report of two cases and review of the literature.
Spine. 1991 Feb;16(2):224-7.
79. Benmeir P, Sagi A, Greber B, Vardy D, Lusthaus S, Picard E, Baruchin A, Hauben D, Ben-Yaqar Y, **Rosenberg L**,
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Burns. 1991 Oct;17(5):402-5.
80. Benmeir, P. Neuman, R. Sagi, A. **Rosenberg, L.** Wexler, M:
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Annals of Plastic Surgery. 26(6):604 1991
81. Singer A, Sagi A, Ben Meir P, **Rosenberg L**.
Chemical burns: our 10-year experience.
Burns. 1992 Jun;18(3):250-2.
82. Benharroch, D. **Rosenberg, L**:
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83. Finkelstein E, Afek U, Gross E, Aharoni N, **Rosenberg L**, Halevy S.
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Int J Dermatol. 1994 Feb;33(2):116-8.
84. Carmel S, Shani E, **Rosenberg L**.
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86. Weiss, J. Shafir, R. **Rosenberg, L.** Leviav, A. Harman, O:
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87. Amir A, Sagi A, Barr J, **Rosenberg L**.
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88. Baruchin AM, **Rosenberg L**.
Re: Axillary breast tissue: clinical presentation and surgical treatment.
Ann Plast Surg. 1996 Jun;36(6):661-2. No abstract available.
89. Amir A, Sagi A, Fliss DM, **Rosenberg L**.
A simple, rapid, reproducible tie-over dressing.
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90. Baruchin AM, **Rosenberg L.**
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91. Benmeir, P, Sagi, A. Cassuto, D. Oz, M. Haruzi, I. **Rosenberg, L.**
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92. Amir, A. Sagi, A. Barr, J. **Rosenberg, L.**
“Sand blaster” injuries,
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93. Sagi A, Amir A, Fliss M D, Van Straten O, Gemer O and **Rosenberg L**
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Burns, 1997, 23(2) 176-181
94. Baruchin AM, Schraf S, **Rosenberg L**, Sagi A.
Hot bitumen burns: 92 hospitalized patients.
Burns. 1997 Aug;23(5):438-41.
95. Sagi A, Glesinger R, **Rosenberg L.**
A thermal burn to a prolapsed uterus.
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96. Eliaz R, Grossman N, Katz S, Zur-Mashiach R, Grunwald MH, Reuveni H, **Rosenberg L**, Kost J.
In vitro analysis of bromine chemical burns with use of full-thickness human skin.
J Burn Care Rehabil. 1998 Jan-Feb;19(1 Pt 1):18-24.
97. Shani E, **Rosenberg L.**
Are we making an impact? A review of a burn prevention program in Israeli schools.
J Burn Care Rehabil. 1998 Jan-Feb;19(1 Pt 1):82-6.
98. Lapid, O. Sagi, A. **Rosenberg, L.:**
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99. Lapid O, Krieger Y, Bernstein T, Sofer S. **Rosenberg L.:**
Airway Obstruction By Ascaris, roundworm in a burned child
Burns 24 (1999) 673-675
100. Fliss DM, Zucker G, Cohen A, Amir A, Sagi A, **Rosenberg L**, Leiberman A, Gatot A, Reichenthal E.
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101. Baruchin AM, Jakim I, **Rosenberg L**, Nahlieli O.
On burn injuries related to airbag deployment.
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102. Baruchin AM, Scharf S, **Rosenberg L**.
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104. Shani E, Bahar-Fuchs SA, Abu-Hammad I, Friger M, **Rosenberg L**.
A burn prevention program as a long-term investment: trends in burn injuries among Jews and Bedouin children in Israel.
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106. Lapid O, Lapid-Gortzak R, Barr J, **Rosenberg L**.
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107. Azizi E, Flint P, Sadetzki S, Solomon A, Lerman Y, Harari G, Pavlotsky F, Kushelevsky A, Glesinger R, Shani E, **Rosenberg L**.
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109. Bogdanov-Berezovsky A, Cohen A, Glesinger R, Cagnano E, Krieger Y, **Rosenberg L**:
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110. Silberstein E, Koret M, Cagnano E, Katchko L, **Rosenberg L**
Neuroendocrine (Merkel Cell) Carcinoma in regional lymph nodes without primary site.
IMAJ 2003 April; (5)
111. Bogdanov-Berezovsky A, Cohen A, Glesinger R, Cagnano E, Krieger Y, **Rosenberg L**:
Risk Factors for Incomplete Excision of Basal Cell carcinomas
Acta Derm. Venereol 2003; 83: 1-4
112. Esther Shani¹, Eva Rachkovsky², Ariel Bahar-Fuchs¹ and **Lior Rosenberg**^{1,3}
The role of health education versus safety regulations in generating skin cancer preventive behavior among outdoor workers in Israel: an exploratory photosurvey
Health Promotion International, Vol. 15, No. 4, 333-339, December 2000
113. Bogdanov-Berezovsky A, Glesinger R, Kachko L, Arbel E, **Rosenberg L**, Grossman N.
Accreditation of skin from a methanol-poisoned victim for banking and grafting.
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- 114 Bogdanov-Berezovsky A, Cohen AD, Cagnano E, Krieger Y, **Rosenberg L.**
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Plast Reconstr Surg. 2002 Sep 15;110(4):1188.
115. Yerushalmi, J. Krieger, Y Grunwald, M.H. Halevi, S. Shtarker I. **Rosenberg, L:**
A large tumor on the back
116. R. Glesinger, A. D. Cohen, A. Bogdanov-Berezovsky, Y. Krieger, and **L. Rosenberg**
A Randomized Controlled Trial of Silver Sulfadiazine, Biafine, and Saline-soaked Gauze in
the Treatment of Superficial Partial-thickness Burn Wounds in Pigs
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117. **Rosenberg, L.**, Lapid, O., Bogdanov-Berezovsky, A., Glesinger, R., Krieger, Y. Silberstein, E., Sagi, A., Judkins, K., Singer, AJ. Safety and efficacy of a proteolytic enzyme for enzymatic burn debridement: a preliminary report;
Burns 2004; 30(8):843-850
118. Bogdanov-Berezovsky A, Cohen AD, Glesinger R, Cagnano E, Krieger Y, **Rosenberg L.**
Significance of residual tumor cells after re-excision of incompletely excised basal cell carcinomas.
Plast Reconstr Surg. 2002 Sep 15;110(4):1188.
119. Kriger, Y **Rosenberg, L.**, Lapid, O., Glesinger, R., Bogdanov-Berezovsky, A., Silberstein, E., Sagi, A., Judkins, K., Escharotomy using an enzymatic debriding agent for treating experimental burn induced compartment syndrome in an animal model; J. Trauma. 2005 Jan;58(6):1259-64
120. Bogdanov-Berezovsky A. Cohen A. Glesinger R. Cagnano E. **Rosenberg L:** Risk Factors for Incomplete Excision of Squamous Cell carcinomas
Journal of Dermatological Treatment 2005; vol 16; 5-6: 341-344
121. Koren L, Gurfinkel R, Glezinger R, Perry ZH, Lev-Ari S, **Rosenberg L.:** The effect of Lactobacillus bacteria supplement on sepsis and its complications in patients with acute burns.;
Burns, 2007; August;33(5):594-8
122. Cohen AD, Gurfinkel R, Glezinger R, Kriger Y, Yancolevich N, **Rosenberg L.:** Pediatric burns in the Bedouin population in southern Israel
Scientific World Journal, 2007 November 12;7:1842-7
123. Bogdanov-Berezovsky A, **Rosenberg L**, Cagnano E. Silverstein E: The role of frozen section histological analysis in the treatment of head and neck skin basal and squamous cell carcinomas.
Isr Med Assoc J. 2008 May;10(5):344-5
124. Adam J. Singer, MD; Steve A. McClain, MD; Breena R. Taira, MD; Jean Rooney, BS; Nicole Steinhauff, BS; **Lior Rosenberg, MD*** Rapid and Selective Enzymatic Debridement of Porcine Comb-Burns with Bromelain Derived Debrase®: Acute Phase Preservation of Non-Injured Tissue and Zone of Stasis JBCR 2009 in press

125. Gurfinkel,; Lavon, I; Cagnano, E; Volgin, K; Shaltiel, L; Grossman, N; Kost, J; Singer, A; **Rosenberg, L**
Combined Ultrasonic and Enzymatic Debridement of Necrotic Eschars in an Animal Model
J. Burn Care & Research: May/June 2009 - Volume 30 - Issue 3 - pp 505-513
126. Dror Aizenbud, Ariela Nachmani, Eldad Silberstein and **Lior Rosenberg**
Botulinum toxin injections for modulation of nasal and facial grimaces in a cleft lip and palate patient. Plast Reconstr Surg 124(1):170e-2e (2009)

In Press

3. Rosenberg L

The Debridement Index: A proposal and appeal
Burns: Invited paper

4. Rosenberg, L. Jackson, I. T. Mulliken, J. B. Massek, B. The Pressure Sore Prevention System (PSPS): A Preliminary Report. Paraplegia
6. Rosenberg, L. Tubi, F. Weiss, J. Shafir R. :A new Coronal-Retroauricular flap for reconstruction of external auditory canal. Laringoscope (in press)
7. Shtal, N. Rosenberg, L. Sagi, A. Ben Meir, P.: Folk-medicine in diagnosis of Head & Neck problems. Head & Neck S. (in press).
8. Rosenberg L.: Minimal trauma operations for the reconstruction of the hard cleft palate using nasal mucosa. PRS invited paper (in press)..
10. Rosenberg, L. J. Weiss, J. Sagi, A. Shafir, R. Preparation for mother's rhinoplasty: A preliminary report. PRS (In Press).

(d, e, f,) Referred and unrefered published scientific reports, technical papers and other publications & reports (*a very partial list*).

1. 1979 Rosenberg, L. The body integument: B.G. U educational material (II&III year medical students).
2. 1980 Rosenberg, L Chapters in Plastic surgery and tissue handling: B.G.U educational material (V&VI year medical students), wound healing, Burns, Skin tumors, Tissues handling, Congenital deformities, Basics in reconstructive surgery, Basics in cosmetic surgery
3. 1980 Rosenberg, L, Clinical observation B.G.U educational material (I year medical students).
4. 1981 Rosenberg, L, Medicine & Human History: B.G.U educational material (I year medical students).
5. 1982 Rosenberg, L, The two good doctors: a novel, originally written for Medicine & Human History: B.G.U educational material (I year medical students). Rewritten, published as a novel in "Fantasia 2000", the S.F. magazine. Hebrew & English
6. 1982. Rosenberg, L, foundation program and protocol for the B.G.U Center for Advanced Services In Plastic Surgery. - Hebrew & English
7. 1984 Rosenberg, L, functional program for a multidiciplinary, community oriented regional service (department) for Plastic and Reconstructive Surgery (including units for Burns, Skin Oncology and Hand Surgery).-Hebrew
8. 1984 Shani, E. & Rosenberg, L. Play It Safe, Burn and Home related accidents Prevention program. .-Hebrew
9. 1985 Rosenberg L & Mahaler D. Debridase: Enzymatic debridement clinical trial annual report (To the Helsinki committee and Bioproducts Ltd.).-English
10. 1987. Rosenberg, L, Annual report No. I of the B.G.U Center for Advanced Services In Plastic Surgery. - Hebrew & English
11. 1988. Rosenberg, L, Annual report No. II of the B.G.U Center for Advanced Services In Plastic Surgery. - Hebrew.
12. 1988. Rosenberg, L, Shani, E.: Burn & Home Related Accident Prevention. Video instructional film. The Israel Television. - Hebrew.
13. 1988. Rosenberg, L, Shani, E.: Skin Cancer: Prevention & Early Detection. Video instructional film. The Israel Television. - Hebrew.
14. 1988 Shani, E. Rosenberg, L: Assessment of the burn prevention campaign. Ministry of Education. - Hebrew.
15. 1989 Rosenberg, L. Debridase: Enzymatic debridement clinical trial annual report (To the Helsinki committee and Bioproducts Ltd.).-English

16. 1989. Rosenberg, L, Annual report No. III of the B.G.U Center for Advanced Services In Plastic Surgery. Hebrew & English
17. Weiss, G. Shafir, R. Rosenberg, L. :Breast Reconstruction Following Mastectomy by use of Radovan Tissue Expander. Video Film, Tel Aviv Medical Center Publication 1990.
18. 1990. Rosenberg, L, Annual report No. IV of the B.G.U Center for Advanced Services In Plastic Surgery. - Hebrew.
19. 1990 Rosenberg, L. Debridase: Enzymatic debridement clinical trial annual report (To the Helsinki committee and Bioproducts Ltd.).-English
20. Weiss, G. Shafir, R. Rosenberg, L.: Treatment of Sternal Wound Infection Following Mid-Sternothomy by Sternal Excision and Reconstruction with Muscle Flap. Video Film. Tel Aviv Medical Center Publication 1991.-Hebrew
21. 1991. Rosenberg, L, Annual report No. V of the B.G.U Center for Advanced Services In Plastic Surgery. - Hebrew.
22. 1991 Rosenberg, L. Debridase: Enzymatic debridement clinical trial annual report (To the Helsinki committee and Bioproducts Ltd.).-English
23. 1992. Rosenberg, L, Annual report No. VI of the B.G.U Center for Advanced Services In Plastic Surgery. - Hebrew.
24. 1992 Rosenberg, L. Debridase: Enzymatic debridement clinical trial annual report (To the Helsinki committee and Bioproducts Ltd.).-English
25. 1993. Rosenberg, L, Annual report No. VII of the B.G.U Center for Advanced Services In Plastic Surgery. - Hebrew.
26. Eldad, A. Rosenberg, L.: The treatment of burns, Instructional video film. Produced by the Committee for Emergency, Ministry of Health 1994
27. 1993 Rosenberg, L. Debridase: Enzymatic debridement clinical trial annual report (To the Helsinki committee and Bioproducts Ltd.).-English
28. 1994. Rosenberg, L, Annual report No. VIII of the B.G.U Center for Advanced Services In Plastic Surgery. - Hebrew.
29. 1994 Rosenberg, L. Debridase: Enzymatic debridement clinical trial annual report (To the Helsinki committee and Bioproducts Ltd.).-English
30. 1995. Rosenberg, L, Annual report No. IX of the B.G.U Center for Advanced Services In Plastic Surgery. - Hebrew.
31. 1995 Rosenberg, L. Debridase: Enzymatic debridement clinical trial annual report (To the Helsinki committee and Bioproducts Ltd.).-English
32. 1997 Rosenberg L A comprehensive program for the development of multi disciplinary hospital and community based center for specialized surgery - Hebrew & English
33. 1996. Rosenberg, L, Annual report No. X of the B.G.U Center for Advanced Services In Plastic Surgery. - Hebrew.

34. 1996 Rosenberg, L. Debridase: Enzymatic debridement clinical trial annual report (To the Helsinki committee and Bioproducts Ltd.).-English
35. 1996 Chapters in Plastic surgery and tissue handling: B.G.U educational material (V&VI year medical students): Rosenberg, Amir: Burns ,
Shabshin, Rosenberg: Skin tumors,
Rosenberg: Wound healing,
Rosenberg: Tissues handling,
Rosenberg, Bar: Congenital deformities,
Barezowski, Rosenberg: Basics in reconstructive surgery
Rosenberg: Basics in cosmetic surgery. -Hebrew.
36. 1997 Shani E. Rosenberg L Progrss report of the sun exposure prevention project to the Israel Ministry of Work.-Hebrew
37. 1997 Shani E. Rosenberg L Health beliefs of Parental Sun Protection, English
38. 1997 Shani E. Rosenberg L Evaluation of efficiency of a short burn prevention program by type of medium, English
39. 1997. Rosenberg, L, Annual report No. XI of the B.G.U Center for Advanced Services In Plastic Surgery. - Hebrew.
40. 1997 Shani E. Rosenberg L Draft to the ministry of Work: a proposal for a law of sun protection regulations in work. The law has been passed and published, November 1997.
41. 1997 Rosenberg L A comprehensive program for the development of multi disciplinary hospital and community based center for specialized surgery - Hebrew
42. 1997 Rosenberg L A comprehensive program for the future development of a combined, hospital and community based department of plastic surgery (including the unites for hand, craniofacial and dermatо-oncology surgery and the burn unit)- Hebrew
- MD Thesis tutoring Tel Aviv University:
43. -Joseph Rotgoltz: Self Locking Pin for internal fixation in digital fractures: In Vitro & In Vivo study
- 1986-present Thesis tutoring: B.G. University:
44. - Miri Kovliner: A Computerized Burn-Patient file: M.D.
45. - Mustapha Shanawi: Folk Medicine of the Negev Bedouins: M.D.
46. - Alon Ulevitz: A new silicon wound dressing: M.D.
47. - Golan Ron: Pressure Sore Prevention System: Assessment: M.D.
48. - Eyal Aspler: Burn Prevention: A Preliminary Plan: M.D.
49. - Doron Delkler: Quantitative & Qualitative Surface Bacteriological Assessment: M.D.
50. - Ehud Sharlin: Burn Depth Assessment by Light Reflectance: M.D.
51. - Ester Shani: Assessment of The Burn prevention Campaign: Ph.D.
52. - Sagit Shoshani: Retrospective assessment of the Minimal Trauma Surgical Approach to the Reconstruction of the Cleft Palate. M.D.
53. -Nomi Shnide: Assessment of the Burn Prevention program. M.D.
54. - Guy Rubin: Dosing of the Debridase Debriding Enzyme: M.D.

LECTURES AND PRESENTATIONS AT CONGRESSES & SCIENTIFIC MEETINGS
(a partial list).

(a) Invited plenary lectures at conferences/meetings

1. *Yearly Meeting of National Orthopedic Society, 1976.:*
- "The Rosenberg Self-Locking Screw".

Medical Association "Medax", Jerusulem, 1983
2. -A new system of dermatomes

3. *Plastic Surgery Grand Round, Harvard Medical School, 1984*
-The peripatetic plastic surgeon

6th International Congress on Cleft Palate & Related Craniofacial Anomalies:
4 -Comprehensive approach to the CL & CP patient. Session moderator & presentation.

Plastic Surgery Section, Israel Surgical Soc. Congress, Dan- Kesaria, May 1987.

5. Rosenberg, L -Rhynoplasty: & Panel discussion Chairman.

1989 Annual Meeting of the M.B.C (Burn Meeting):

6. -An Algorithm for Hand Burn.
7. - Burn Prevention Program in Israel.
8. -Evaluation of the Israel Burn Prevention Program.
9. -10 Years Experience with Chemical Burns.

Foundation Meeting of the Israel Burn Association:

10. -Burn Prevention
11. -Evaluation of Prevention Programs
12. -Standardization of Burn Treatment: Use of Algorithms
13. -Occupational Therapy in Burn Treatment
14. -An Algorithm for Hand Burn.

IX Annual Meeting of the MBC, Italy, (Faculty) 1995.

15. Wound care & Biomaterials: Chairman panel discussion.

*First International Interdisciplinary Congress of Craniofacial and Skill Base Surgery,
Jerusalem, 1996. (Faculty)*

- 16.-Cleft palate reconstruction using extended nasal oral turnover flaps: A preliminary report.
Invited plenary session presentation.
- 17.-The Soroka craniofacial experience.

*The ISBI section, The 37th World Congress of Surgery, Aug. 1997, Acapulco, Mexico (Faculty,
panelist)*

- 18.-Correction of tissue excess and deficits.

*The 7th International Congress of the European Burn Association (EBA), September, 1997,
Leuven, Belgium.*

19. -The burn prevention program in Israel.

1998- The 10th International Congress of the ISBI Jerusalem

20.-The Israel PNN (Minimal Invasive) Burn Protocol. A panel presentation

2002 The XXXIX International Congress of the Brazilian Plastic Surgery Society, Brazil
21.- The Minimal Invasive Modality for Burn Treatment:

2005, Franch-Israeli Plastic Surgery Meeting, Paris

22.- The Efficacy and Implication of a Pineapple Purified Extract (Debridase-Debrase) In
Debriding Deep Burns Eschars: The Minimal Invasive Modality

2006 ISBI, 7th FELAQ & 5th Brazilian Burn Society Congress, Brazil

23.- Enzymatic Debridement-Escharotomy using Debrase Del Dressing (DGD) and the Minimal
Invasive Modality (MIM) n burn care.

*2006 The Second International Congress of The Romanian Association of Plastic Surgeons.
October 2006, Sinaia, Romania.*

24.- Enzymatic Debridement-Escharotomy using Debrase Del Dressing (DGD) and the Minimal
Invasive Modality (MIM) n burn care.

25.- (DGD) Enzymatic Debridement-Escharotomy: the Minimal Invasive Modality (MIM) in burn
care (poster).

2008 The 14th. ISBI Congress Montreal, Canada

26.- Symposium on Enzymatic Debridement

(b) Presentation of papers at International Conferences/Meetings

1. Rosenberg, L Mahaler, D. 1978 -The vacuum draining system. *The National Surgeons' Society, Jerusalem,*.
2. Rosenberg, L Mahaler, D. 1980 -The Breast Cancer Patient and the Plastic Surgeon.
(abstract)*Ist. Congress on Breast Cancer, Tel Aviv,*.
3. Rosenberg, L Mahaler, D. 1980 -Further uses of Pectoralis Major myocutaneous flaps. (Prize winning paper),*Congress of National Surgeons' Society, Haifa, 1980.*
4. Rosenberg, L 1981.-New optical method for experiment burns. *The Israel Medical Association Congress, Tel Aviv, (abstract)*
5. Rosenberg, L 1981. -Magalodactily treatment using nail flap. *The First Meeting of Hand Surgeons' Society, Tel Aviv,(abstract)*
6. Rosenberg, L 1982 : -Laser Doppler in hand tissue viability assessment. *The Israel Medical Association Congress, Jerusalem,(abstract)*
7. Molcho, J. Rosenberg, L, 1983: -Laser Doppler differentiated anemometry
8. Rosenberg, L -Nail flap in finger tip reconstruction *Congress of the National Surgeons' Society, Beer Sheva,*
9. Rosenberg, L 1983:-New generation of manual dermatomes *Congress of the National Surgeons' Society, Beer Sheva,*

10. Rosenberg, L 1983:-Four generations of manual dermatomes *Congress of the National Surgeons' Society, Beer Sheva,*
11. Rosenberg, L 1983:-Algorithms in hand burns treatment *Congress of the National Surgeons' Society, Beer Sheva,*
12. Rosenberg, L 1983:-The making of a plastic surgeon *Congress of the National Surgeons' Society, Beer Sheva,*
13. Baruchin, A. Rosenberg, L 1983:-The "Waterloo" syndrome of self-inflicted scalds, *Medical Association "Medax", Jerusalem,*
14. Rosenberg, L Tanner, B, 1984.-A fast and simple method for de-epithelialization in mammoplasty. *International Symposium on Surgery of the Breast, Jerusalem.*
15. Rosenberg, L 1985: -Pressure sore prevention system: A new biofeedback approach *MEDAX IV World Congress of the I.M.A. Jerusalem, May, Chairman of Session II.*
16. Rosenberg, L, 1985: -The pressure sore prevention system, *The First East Grinstead Meeting, England,*
17. Rosenberg, L, 1985: -Folklore medicine and burns *The First East Grinstead Meeting, England,*
18. Rosenberg, L 1985:-Four generations of straight manual dermatomes an overview presentation , *The First East Grinstead Meeting, England.*
19. Rosenberg, L 1985:-The self-locking pin in digital fixation, *The First East Grinstead Meeting, England..*
20. Rosenberg, L 1985:-A comprehensive history of skin dermatomes: a presentation and original prototypes exhibition, *The First East Grinstead Meeting, England.*
21. Rosenberg, L 1985: -The pressure sore prevention system. *The Tord Skoog Society, Helsinki Meeting,*
22. Rosenberg, L 1985:-The pressure sore prevention system, *V th Congress of the European Section of the International Confederation for Plastic and Reconstructive Surgery, Stockholm.*
23. Rosenberg, L 1985: -The self-locking pin in digital and small bone fractures, *V th Congress of the European Section of the International Confederation for Plastic and Reconstructive Surgery, Stockholm.*
24. Rosenberg, L Rotgoltz J, 1986:-Internal and External fixation of digital fractures. *Alpine Workshop, Austria*
25. Rosenberg, L 1986-A Versatile skin defects closure procedure. *Alpine Workshop, Austria*
26. Rosenberg, L 1986:-Squamous Cell Carcinoma originating in Sebaceous Cyst. *Medax V, Jerusalem:*

27. Greber, B. Rosenberg, L, 1986: -Body Contouring After Gastric Bypass Surgery. *II International Obesity Congress, Eilat*
28. Rosenberg, L : 1987 The rehabilitation of the deep burned hand: Surgical Multi-disciplinary approach (1975-1985) versus conservative Uni-disciplinary approach (1964-1974). *International meeting French & Israeli Societies for Hand Surgery, Jerusalem*
29. Rosenberg, L, Rotgolts J. 1987: -A self Locking Pin for fixation of small bones and phalanges: a preliminary report. *International meeting French & Israeli Societies for Hand Surgery, Jerusalem*
30. Rosenberg, L Jackson, I. 1987: -Tissue Expansion using External Reservoirs. *American Association of Plastic Surgeons: Annual Meeting 1987*
31. Rosenberg, L, 1987:-New Generation of dermatomes. *International Congress on Burns, Geneva, 1987.*
32. Rosenberg, L Jackson, I. 1987: -Fast Tissue Expansion with External Port in Burns Reconstruction. *International Congress on Burns, Geneva, 1987.*
33. Rosenberg, L Avinoh I. 1987-Industrial Bromine Burns. *International Congress on Burns, Geneva, 1987.*
34. Rosenberg, L 1987.-Rhynoplasty: Panel Chairman. *Plastic Surgery Section, Israel Surgical Soc. Congress, Dan- Kesaria.*
38. Rosenberg, L Jackson, I. 1987.-Fast Tissue Expansion in Burn Reconstruction. *Plastic Surgery Section, Israel Surgical Soc. Congress, Dan- Kesaria*
39. Rosenberg, L 1987.-Surgical VS. Conservative burn treatment: 1964-1985. *Plastic Surgery Section, Israel Surgical Soc. Congress, Dan- Kesaria*
40. Avinoah, I. Sagi, A. Rosenberg, L, Golstein. J.-MHC class I & II antigen expression on nevus & Melanomas. *49th. annual meeting of the American Academy of Dermatology.*
41. Rosenberg, L 1990: -Escharaze in Immediate Burn Eschare Debridment. *1st. International Meeting on Fire Disasters: Palermo*
42. Rosenberg, L, Shani, E. 1990: -Burn Prevention Program in Israel. *8th ISBI International Congress on Burn Injuries, New Delhi India.*
43. Rosenberg, L Shani, E. 1990:-Evaluation of the Israel Burn Prevention Program. *8th ISBI International Congress on Burn Injuries, New Delhi India.*
44. Rosenberg, L 1990:-10 Years Experience with Chemical Burns. *8th ISBI International Congress on Burn Injuries, New Delhi India.*
45. Rosenberg, L 1990:-Escharaze for Immediate debridement of Chemical Burn Eschar. *8th ISBI International Congress on Burn Injuries, New Delhi India.*
46. Rosenberg, L 1990:-Algorithm for the Burned Hand treatment. *8th ISBI International Congress on Burn Injuries, New Delhi India.*
47. Rosenberg, L 1990:-Fast tissue expansion. *1st. European Meeting on Biomaterials*

in Reconstructive Surgery, Venezia.

48. Rosenberg, L 1990:-Tissue expansion using external port. *1st. European Meeting on Biomaterials in Reconstructive Surgery, Venezia.*
49. Rosenberg, L 1990:-Laser Doppler anemometry. *1st. European Meeting on Biomaterials in Reconstructive Surgery, Venezia.*
50. Greber B. Rosenberg, L 1990:-Keratinocites culture In Vivo. *1st. European Meeting on Biomaterials in Reconstructive Surgery, Venezia.*
51. Rosenberg, L Shani, E. 1990: -Burn Prevention in Israel. *Organizing committee of the 1st. & 2nd. Israel Burn Meeting (of the IBA) 1990 and papers & round table.*
52. Rosenberg, L, Shani, E. 1990:-Evaluation of the Burn Prevention Project. *Organizing committee of the 1st. & 2nd. Israel Burn Meeting (of the IBA) 1990 and papers & round table.*
53. Rosenberg, L 1990:-Enzymatic Debridement with Escharaze. *Organizing committee of the 1st. & 2nd. Israel Burn Meeting (of the IBA) 1990 and papers & round table.*
54. Rosenberg, L, Shabshin, U. 1990:-Chemical Burns. *Organizing committee of the 1st. & 2nd. Israel Burn Meeting (of the IBA) 1990 and papers & round table.*
55. Rosenberg, L 1991:-Escharaze, chemical Debriding, Preliminary report, 70 patients. *European Burn Association Congress, 1991, Barcelona, Spain*
56. Rosenberg, L Shani, E. 1991: -National Burn Prevention Campaign. *European Burn Association Congress, 1991, Barcelona, Spain*
57. Rosenberg, L 1991:-Algorithms in burns (hand burns). *European Burn Association Congress, 1991, Barcelona, Spain*
58. Rosenberg, L 1991:-Early Chemical Debridement in hand burns & trauma. *European Burn Association Congress, 1991, Barcelona, Spain*
59. Greber, B. Sagi, A. Rosenberg, L -The Urim factory fire: preventable! *European Burn Association Congress, 1991, Barcelona, Spain*
60. Rosenberg, L 1991:-Early Chemical Debridement in Mass Casualty. *Annual MBC Athens Meeting. 1991*
61. Rosenberg, L , Shani, E. 1991:-Burn Prevention Campaign. *Annual MBC Athens Meeting.*
62. Shani, E. Rosenberg, L 1991: -Screening for Skin Cancer - An Integrative Intervention Program and Follow-up evaluation study. *Melanoma 91 congress: Brighton, UK*
63. Rosenberg, L 1992:-Paper & Panel moderator: The Basal Cell Carcinoma. *Medax Jerusalem.*
64. Sagi, A. Amir, A. Rosenberg, L 1992:-Heat & Press hand injury. *Medax Jerusalem.*
65. Grossmann, N. Reheuvenu, H. Rosenberg, L 1992:-Keratocite's culture in treating chronic Ulcus Cruris. *The 1992 Annual Meeting of the Israel Dermatological Society:*

66. E. Finkelstein, Halevi, D. Rosenberg, L Halevi, S. 1992:-Phototoxic contact dermatitis in Celery harvesters. *The 1992 Annual Meeting of the Israel Dermatological Society:*
67. Rosenberg, L 1992:-Escharaze, chemical Debriding, Preliminary report, first 70 patients. *The Jerusalem International Meeting on Burn Injuries, (Chairman).*
68. Rosenberg, L, Dahan, A. Sagi, A. 1992:-Chemical burns: A retrospective study. *The Jerusalem International Meeting on Burn Injuries, (Chairman).*
69. Van Straten, O. Sagi, A. Rosenberg, L 1992:-Occupational Therapy of the burned face. *The Jerusalem International Meeting on Burn Injuries, (Chairman).*
70. Rosenberg, L 1992:-A home hand therapy splint kit for the burned hand. *The Jerusalem International Meeting on Burn Injuries, (Chairman).*
71. Amir, A. Rosenberg, L 1992:-A possible future treatment against burn sepsis by stimulating the immune system. *The Jerusalem International Meeting on Burn Injuries, (Chairman).*
72. Sagi, A. Amir, A. Rosenberg, L 1992:-Heat pressure injuries to the hand and fingers. *The Jerusalem International Meeting on Burn Injuries, (Chairman).*
73. Rosenberg, L 1992:-Be ready for the Chemical spillage. *The MBC Annual meeting Palermo.*
74. Rosenberg, L 1992:-Early Chemical Debridement in hand burns & trauma. *The MBC Annual meeting Palermo.*
- 75 Van Straten, O. Rosenberg, L 1993:-A set of splints for ambulatory use for the burned hand. *Annual meeting Israel society for surgery of the hand.*
76. Rosenberg, L 1993:-Reconstruction of the hard cleft palate using nasal mucosa. *The 93 Israel Association for Plastic Surgery annual meeting:*
77. Golstein, M. Rosenberg, L 1993:-Augmentation of the massive breasts. *The 93 Israel Association for Plastic Surgery annual meeting:*
78. Sagi, A. Rosenberg, L Body contour operations following gastric bypass. *6 th. Asian Pacific Congress of IPRS, Seoul, Korea.*
79. Sagi A. Rosenberg, L 1993:-Index to Thumb Sensory Flap. . *Israel Society for Hand Surgery 1993 annual meeting*
80. Grossman, N. Rosenberg, L Reheuveni, H. 1994:-Use of Keratocyte cultures as adjunct to surgical problems. *19 National Surgical Meeting, Tel Aviv, Israel*
81. Rosenberg, L 1994:-Enzymatic debridement of burn with Debridase. *IX ISBI quadrennial meeting, Paris.*
82. Benmeir, P. Rosenberg, L 1994:-Suicide attempts by self immolation. *IX ISBI quadrennial meeting, Paris.*
83. Rosenberg, L 1994:-Burns in high risk patients. *VIII Annual Meeting of the MBC, Spain, (Faculty).*

84. Rosenberg, L 1994:-Electrocution V\S Flash Burn. *VIII Annual Meeting of the MBC, Spain, (Faculty).*
86. Rosenberg, L 1995: Enzymatic burn debridement with Debridaze: The impact on burn protocols. *IX Annual Meeting of the MBC, Italy, (Faculty)*
87. Amir, A. Rosenberg, L 1996:-Posteriorly based anterior helix island flap for reconstruction of marginal defects of the ear. *Faculty: First International Interdisciplinary Congress of Craniofacial and Skill Base Surgery, Jerusalem.*
88. Amir, A. Rosenberg, L 1996:-A simple rapid reproducible tie-over dressing. *Faculty: First International Interdisciplinary Congress of Craniofacial and Skill Base Surgery, Jerusalem.*
89. Amir, A. Fliss, D. Rosenberg, L 1996:-A rational approach in the harvesting of Fascia Lata sheaths. *Faculty: First International Interdisciplinary Congress of Craniofacial and Skill Base Surgery, Jerusalem.*
90. Glaser, M. Rosenberg, L 1996: A proposed anesthesia protocol for pediatric craniofacial surgery. *Faculty: First International Interdisciplinary Congress of Craniofacial and Skill Base Surgery, Jerusalem.*
91. Baruchin, A. Sagi, A. Amir, A. Benharush, Rosenberg, L 1997: Experimental infliction and treatment of high pressure injuries. *International Congress of Surgery of the Hand, Budapest.*
92. Rosenberg, L 1997:-A new cleft palate reconstruction method using extended nasal and oral mucosal flaps: A preliminary report. *8th International Congress on Cleft Palate & Related Craniofacial Anomalies, Singapore.*
93. Rosenberg, L: 1997 A new , Adjustable, Power Skin Graft Mesher. *The 7th International Congress of the European Burn Association (EBA), September, , Leuven, Belgium.*
94. Rosenberg, L 1997-A new, Cordless Rechargeable Power/Manual Dermatome. *The 7th International Congress of the European Burn Association (EBA), September, , Leuven, Belgium.*
95. Rosenberg, L 1997-Summary of the first 240 burn patients treated by enzymatic debridement. *The 7th International Congress of the European Burn Association (EBA), September, , Leuven, Belgium*
96. Rosenberg, L 1997 Review of the various burn prevention approaches. *The 7th International Congress of the European Burn Association (EBA), September, , Leuven, Belgium*
97. Rosenberg, L: 1998 A new , Adjustable, Power Skin Graft Mesher. *Annual MBC Athens Meeting*
98. Rosenberg, L et al 1998-Summary of the first 240 burn patients treated by enzymatic debridement. *The Annual MBC Athens Meeting*
99. Rosenberg, L et al 1998-Summary of the first 240 burn patients treated by enzymatic debridement. *The 10th International Congress of the ISBI Jerusalem*

100. Rosenberg, L. 1998-The Israel PNN (Minimal Invasive) Burn Protocol. A panel presentation
The 10th International Congress of the ISBI Jerusalem
101. Rosenberg, L. 1998-Adjustable Power Mesher. *The 10th International Congress of the ISBI Jerusalem*
102. Rosenberg, L. 1998- Rechargeable Power Dermatome Mesher. *The 10th International Congress of the ISBI Jerusalem*
103. Rosenberg, L. 1998-A Disposable Prep-Razor Dermatome. *The 10th International Congress of the ISBI Jerusalem*
104. Rosenberg, L, Shani, E. 1998:-Burn Prevention Campaign. *The 10th International Congress of the ISBI Jerusalem*
105. Rosenberg, L; 1999 A new , Adjustable, Power Skin Graft Mesher. *The 8th International Congress of the European Burn Association (EBA), Marathon, Greece*
106. Rosenberg, L. 1999-The Israel PNN (Minimal Invasive) Burn Protocol. *The 8th International Congress of the European Burn Association (EBA), Marathon, Greece*
107. Rosenberg, L, Shani, E. 1999:-Burn Prevention Campaign. *The 2nd International Congress of the European Club for Pediatric Burns, Florence, Italy*
108. Rosenberg, L; 1999 A new , Adjustable, Power Skin Graft Mesher. *The 2nd International Congress of the European Club for Pediatric Burns, Florence, Italy*
109. Rosenberg, L. 1999-The Israel PNN (Minimal Invasive) Burn Protocol. *The 2nd International Congress of the European Club for Pediatric Burns, Florence, Italy*
110. Rosenberg, L. 1999-The Israel Minimal Invasive Burn Protocol. *The 8th.Europen Burn Association Congress Marathon, Greece*
111. Rosenberg, L; 1999 A new, Adjustable, Power Skin Graft Mesher. *The 8th.Europen Burn Association Congress Marathon, Greece*
112. Grossman N.,Bogdanov-Berezovsky A.,Glesinger R.,Kachko L.,**Rosenberg L.**
 Skin harvested from methanol-poisoned victims may be suitable for culturing,
 banking and grafting, MBC, Jerusalem, Israel, February 2000.
113. Grossman N., Bogdanov-Berezovsky A., Glesinger R., Kachko L.,
Rosenberg L.Accreditation of Skin from a Methanol Poisoned Victim for
 Banking and Grafting. 5-th Central European Burn Conference. Prague,
 September 2000.
114. Glesinger R., Krieger Y., Bogdanov-Berezovsky A., Lapid O., Silberstein E.,
Rosenberg L., Grossman N: Skin Bank Services for Burn Patients – the Soroka
 Experience. 5-th Central European Burn Conference. Brno, Czech Republic,
 September 2000
115. **Rosenberg L.**, Krieger Y., Lapid O., Glesinger R., Bogdanov-Berezovsky A., Shabshin
 U., Barr Y., Sagi A., Grossman N.: Updating of the Israel PNN (Primum Non Nocere-

Minimal Invasive) Protocol for Burn Treatment: A Preliminary Report. 5-th Central European Burn Conference, Brno, Czech Republic, September, 2000.

115. Grossman N, Glesinger R, Krieger Y **Rosenberg, L:** Cultured allogenous keratinocyte grafts for treatment of chronic and post-operative wounds – the Soroka experience. 5th Central European Burn Conference, Brno, Czech Republic, September 2000
116. **Rosenberg, L:** The Pressure Sores Prevention System
International Chronic Wound Board Meting: Pisa, Italy September 2000
117. **Rosenberg L.,** Krieger Y., Lapid O., Glesinger R., Bogdanov-Berezovsky A., Shabshin U., Barr Y., Sagi A., Grossman N.
A Preliminary Report of the use of Debridase in Chronic Wounds
International Chronic Wound Board Meting: Pisa, Italy September 2000
118. Krieger Y, Lapid O, Molcho Y, Neuman L, **Rosenberg L.**
Decompression of burn induced compartment syndrome by enzymatic debridement with Debridase in an experimental animal model.
Israel Society of Plastic and Reconstructive Surgery, annual meeting
Tel-Aviv, December 2000
119. **Rosenberg L,** Krieger Y, Lapid O
Enzymatic debridement of acute and chronic wounds.
The treatment of difficult wounds, national meeting
Haifa, February 2001.
120. **Rosenberg, L:** The Pressure Sores Prevention System
International Wound Society Congress: Paris, January 2001
121. **Rosenberg L.,** Krieger Y., Lapid O., Glesinger R., Bogdanov-Berezovsky A., Sagi A., Grossman N.
A Preliminary Report of the Efficacy of the use of Debridase in Acute Burns,
American Burn Association international Congress, Boston, USA April 2001
122. Krieger Y, Lapid O, Molcho Y, Neuman L, **Rosenberg L.**
Enzymatic Escharotomy-Debridement with Debridase in an experimental animal model.
American Burn Association international Congress, Boston, USA April 2001
123. Krieger Y, Lapid O, Molcho Y, Neuman L, **Rosenberg L.**
Efficacy Enzymatic Escharotomy-Debridement with Debridase and validation of an experimental animal model.
European Burn Association international Congress, Lyon, France September 2001
124. **Rosenberg L.,** Krieger Y., Lapid O., Glesinger R., Bogdanov-Berezovsky A., Shabshin U., Barr Y., Sagi A., Grossman N.
The Minimal Invasive Modality for Burn Treatment: European Burn Association international Congress, Lyon, France September 2001
125. **Rosenberg L.,** Krieger Y., Lapid O., Glesinger R., Bogdanov-Berezovsky A., Sagi A., Grossman N.
The Debrase Based Minimal Invasive Modality for Burn Treatment: The Bostwick Burn and Wound Care Symposium, Maui, Hawaii, February 2002

126. **Rosenberg L.**, Krieger Y., Lapid O., Glesinger R., Bogdanov-Berezovsky A., Sagi A., Grossman N.
 The Efficacy of a Purified Extract of Pineapple (Debrase) In Debriding Burns and other Eschars: The Bostwick Burn and Wound Care Symposium, Maui, Hawaii, 2002
127. **Rosenberg L.**,
 The Debridement Index: A proposal and appeal (poster)
 American Burn Association international Congress, USA April 2002
128. **Rosenberg L.**,
 The Debridement Index: A proposal and appeal
 The 11 Quadrennial Congress of International Society for Burn Injury, Seattle, USA August 2002
129. **Rosenberg L.**, Krieger Y., Lapid O., Glesinger R., Bogdanov-Berezovsky A., Sagi A., Grossman N.
 The Minimal Invasive Modality for Burn Treatment: The 11 Quadrennial Congress of International Society for Burn Injury, Seattle, USA August 2002
130. **Rosenberg L.**,
 The Use of the Nasal Reserves in the reconstruction of the Cleft Palate: A Minimal Invasive Approach
 The XXXIX International Congress of the Brazilian Plastic Surgery Society, Brazil November 2002
131. **Rosenberg L.**, Krieger Y., Lapid O., Glesinger R., Bogdanov-Berezovsky A., Sagi A., Grossman N.
 The Minimal Invasive Modality for Burn Treatment: The XXXIX International Congress of the Brazilian Plastic Surgery Society, Brazil September 2002
132. **Rosenberg L.**,
 The Debridement Index: A proposal and appeal
 10th. Congress of the European Burns Association, Bergen, Norway Sept 2003
133. Krieger Y, **Rosenberg L.** Lapid O, Molcho Y, Neuman L,
 Decompression of burn induced compartment syndrome by enzymatic debridement with Debridase in an experimental animal model.
 10th. Congress of the European Burns Association, Bergen, Norway Sept 2003
135. Yuval Krieger, **Lior Rosenberg**, Oren Lapid, Ronen Glesinger, Alex Bogdanov-Berezovsky, and Kieth Judkins MB ChB[†] 2004, ISBI, TOKYO ESCHAROTOMY USING AN ENZYMATIC DEBRIDEMENT AGENT: IN VIVO BURN-INDUCED COMPARTMENT SYNDROME AND CLINICAL EXPERIENCE 2004, ISBI, TOKYO
136. **Lior Rosenberg**, Sarit Cohen, *Imanuela Cagniano
 THE ASSESSMENT OF TANGENTIALLY EXCISED HUMAN BURN ESCHAR: A DOUBLE BLIND PROSPECTIVE STUDY 2004, ISBI, TOKYO

138. **L. Rosenberg**, R. Glesinger, MD, A. Berezovski, MD, Y. Krieger, MD A. Sagi, MD and N. Grossman*, PhD. Burn wound debridement: tangential excision cost, the Debridement Index and the Debrase-Debridase MIM (Minimal Invasive Modality) 2005 NEBICON, New Delhi
- 139 S. Bar Ziv, **L. Rosenberg, MD**
TO CLEAN AND TO DEBRIDE: THE DermaPrep 2005 EBA Lisbon, Portugal
140. Y. Kriger, **L. Rosenberg**, A. Barazowski, E. Silberstein, and R. Gurfinkel
THE BURNED HAND AND THE DEBRIDASE BASED MINIMAL INVASIVE MODALITY 2005 EBA Lisbon, Portugal
141. **L. Rosenberg**, , A. Barazowski, Y. Kriger, R. Gleisinger D. Vigoda, R. Gurfinkel Beer-Sheva, Israel; M. Gorecki, R. Koren, L. Gerstl, Yavne, Israel EBA Lisbon, Portugal
ENZYMATIC DEBRIDEMENT BY DEBRIDASE-DEBRASE GEL DRESSING (DGD): SUMMARY OF A UNCONTROLLED & RECENT CONTROLLED MULTICENTER INTERNATIONAL STUDY, 2005 EBA Lisbon, Portugal
142. **L. Rosenberg, MD**,
NEW ERGONOMIC SKIN GRAFT DERMATOMES, 2005 EBA Lisbon, Portugal
143. **Lior Rosenberg, M.D.**
REPAIRING THE CLEFT LIP AND PALATE: A PHYSIOLOGICAL AND ANATOMICAL APPROACH
2005, Franch-Israeli Plastic Surgery Meeting, Paris
144. Y. Kriger, **L. Rosenberg**, E. Silberstein, R. Gurfinkel and A. Barazowski
THE BURNED HAND AND THE DEBRIDASE BASED MINIMAL INVASIVE MODALITY (MIM)
2005, Franch-Israeli Plastic Surgery Meeting, Paris
145. **L. Rosenberg**, A. Barazowski, Y. Kriger, R. Gurfinkel, E. Silverstein Beer-Sheva, Israel; M. Gorecki, R. Koren, L. Gerstl, Yavne, Israel
The Efficacy and Implication of a Pineapple Purified Extract (Debridase-Debrase) In Debriding Deep Burns Eschars: The Minimal Invasive Modality
2005, Franch-Israeli Plastic Surgery Meeting, Paris
146. Gurfinkel R¹, Lavon I², Volgin K², Shaltiel L², Kost Y², **Rosenberg L¹**.
ENHANCED ENZYMATIC DEBRIDEMENT USING COMBINED TREATMENT OF ULTRASOUND AND DEBRASE[®]
2005, The Israeli Society of Plastic Surgery, Eilat
147. **L. Rosenberg**, A. Barazowski, Y. Kriger, R. Gurfinkel, E. Silverstein Beer-Sheva, Israel; M. Gorecki, R. Koren, L. Gerstl, Yavne, Israel
The Efficacy and Implication of a Pineapple Purified Extract (Debridase-Debrase) In Debriding Deep Burns Eschars: The Minimal Invasive Modality
2005, The Israeli Society of Plastic Surgery, Eilat
148. Y. Kriger, **L. Rosenberg**, E. Silberstein, R. Gurfinkel and A. Barazowski
THE BURNED HAND AND THE DEBRIDASE BASED MINIMAL INVASIVE MODALITY (MIM)

2005, The Israeli Society of Plastic Surgery, Eilat

149. Lior Rosenberg, M.D.

The Debridement Index: An objective scoring system for assessing a debridement means

2005, The Israeli Society of Plastic Surgery, Eilat

- 150. L. Rosenberg, R. Glesinger, MD, A. Berezovski, MD, Y. Krieger, MD A. Sagi, MD and N. Grossman*, PhD.** Burn wound debridement: tangential excision cost, the Debridement Index and the Debrase-Debridase MIM (Minimal Invasive Modality)
2005 NEBICON, New Delhi

- 160.** New ergonomic skin graft dermatomes - **L. Rosenberg (Israel)**) *14th Meeting of the Mediterranean Council for Burns & Fire Disasters-MBC 2006 Morocco*

- 161.** External fixator, distractor and dynamic early mobilization frame - **L. Rosenberg (Israel)**) *14th Meeting of the Mediterranean Council for Burns & Fire Disasters-MBC2006 Morocco*

- 162.** Enzymatic/chemical early debridement and then epithelialization and/or grafting- **L. Rosenberg (Israel)**) *14th Meeting of the Mediterranean Council for Burns & Fire Disasters-MBC 2006 Morocco*

- 163.** To clean and to debride: The DermaPrep - **S. Bar Ziv, L. Rosenberg (Israel)**) *14th Meeting of the Mediterranean Council for Burns & Fire Disasters-MBC 2006 Morocco*

- 164.** The Assessment of Tangentially excised Human Burn Eschar - **L. Rosenberg , S. Cohen* E. Cagnian R. Gurfinkel (Israel)**) *14th Meeting of the Mediterranean Council for Burns & Fire Disasters-MBC 2006 Morocco*

- 165. L. Rosenberg, A. Berezovski, Y. Krieger, R. Gurfinkel, E. Silverstein Beer-Sheva, Israel; M. Gorecki, R. Koren, L. Gerstl, Yavne, Israel:** Efficacy and Implication of Debridase And Debrase In Debriding Deep Burns: comparison of two studies in 300 patients: The Minimal Invasive Modality *13th ISBI, 7th FELAQ & 5th Brazilian Burn Society Congress, Brazil 2006*

- 166.** Krieger Y. **Rosenberg L.** Silberstein E. Gurfinkel R. and Berezovski A.: THE BURNED HAND AND THE DEBRIDASE BASED MINIMAL INVASIVE MODALITY (MIM). *13th ISBI, 7th FELAQ & 5th Brazilian Burn Society Congress, Brazil 2006*

- 167.** Gurfinkel R, Lavon I. **Rosenberg L.** ENHANCED ENZYMATIC DEBRIDEMENT USING COMBINED-HYBRID TREATMENT OF ULTRASOUND AND DEBRASE™*13th ISBI, 7th FELAQ & 5th Brazilian Burn Society Congress, Brazil 2006*

- 168.** **Rosenberg L.** Wound-Bed Preparation in Burns: Non-Surgical, Surgical & DGD. *13th ISBI, 7th FELAQ & 5th Brazilian Burn Society Congress, Brazil 2006*

- 169. Rosenberg L** Enzymatic Debridement-Escharotomy using Debrase Del Dressing (DGD) and the Minimal Invasive Modality (MIM) n burn care. *The Second International Congress of The Romanian Association of Plastic Surgeons. October 2006, Sinaia, Romania.*

- 170.** Rosenberg L Debrase Gel Dressing (DGD) Enzymatic Debridement-Escharotomy: the Minimal Invasive Modality (MIM) in burn care (poster). *The Second International Congress of The Romanian Association of Plastic Surgeons. October 2006, Sinaia, Romania.*
- 171.** L. Rosenberg, R. Koren, L. Gerstl, M. Gorecki Yavne, Israel. Investigators participating: P. Brychta, Czech Republic; M. Butz, B. Hartmann, Germany; H. Carsin, L. Bargues, D. Wasserman,, France; R.B. Ahuja, S. Chamanian, M. Gore, V. Obed, India; M.M. Ferrara, Palermo, Italy A. Barazowski, Y. Krieger, R. Gurfinkel, E. Silverstein, Israel J. Koller, J. Babik K. Sopko, Slovak Republic P. Gilbert, K. Judkins, UK J.L. Hunt, Dallas, A. Luterman, D. Mozingo, R.F. Mullins, P. Silverstein, US; Debridement Efficacy of Debrase Gel Dressing (DGD) In Debriding Deep Burns: report of four clinical studies. *The 14th. ISBI Congress Montreal, Canada*
- 172.** Rosenberg L: Symposium on Enzymatic Debridement *The 14th. ISBI Congress Montreal, Canada*
- 173.** Krieger U. Barezivski A, Gurfinkel R, Rosenberg L: DEBRIDING THE BURNED HAND WITH PURIFIED BROMLEIN SP ENZYMATIC GEL DRESSING *The 14th. ISBI Congress Montreal, Canada*
- 174.** Rosenberg, L : Annual meeting of the Portuguese Burn Society, November 22 2008 Preparing the Burn Wound Bed., Invited Panel Discussion
- 175.** Rosenberg, L: Annual meeting of the French Burn Society, November 28, 2008 Enzymatic Debridement
- 176.** Rosenberg L Debrase Gel Dressing (DGD) Enzymatic Debridement-Escharotomy: the Minimal Invasive Modality (MIM) in burn care 2009 NEBICON & Asian-Pacific New Delhi
- 177.** L. Rosenberg, R. Koren, L. Gerstl, M. Gorecki Yavne, Israel. Investigators participating: P. Brychta, Czech Republic; M. Butz, B. Hartmann, Germany; H. Carsin, L. Bargues, D. Wasserman,, France; R.B. Ahuja, S. Chamanian, M. Gore, V. Obed, India; M.M. Ferrara, Palermo, Italy A. Barazowski, Y. Krieger, R. Gurfinkel, E. Silverstein, Israel J. Koller, J. Babik K. Sopko, Slovak Republic P. Gilbert, K. Judkins, UK J.L. Hunt, Dallas, A. Luterman, D. Mozingo, R.F. Mullins, P. Silverstein, US; Debridement Efficacy of Debrase Gel Dressing (DGD) In Debriding Deep Burns: report of four clinical studies. 2009 NEBICON & Asian-Pacific New Delhi

(c) Seminars at universities and institutions
(A partial list)

Soroka Medical Staff Meetings 1979-1982

1. -Treatment of Pressure Sores
2. - Post-mastectomy breast reconstruction
3. - The cleft lip and palate child
4. - The history of myocutaneous flaps

Billericky Medical Center, Essex, England. Visiting lecturer 1981.

5. -The Beer Sheva Experience and the Future M.D.
6. -The early clinical exposure and the course in observation skills
7. -Our experience in intensive burn treatment

Surgical Meetings, Queen Victoria Hospital, East Grinstead, England, 1984

8. -A new self-locking pin for digital internal fixation.
9. -The modified "H" plasty
10. -External fixators for finger trauma
11. -New System of dermatomes
12. -The draining syringe
13. -The "Beer Sheva Experiment" in Medical Education
14. -The nail flap in fingertip reconstruction
15. -Pressure differentiation laser-Doppler anemometry
16. E'cole des Beaux Arts, Paris. Thirty-six hour seminar on "Medicine and Art ("Medart") Education, 1984.

17. *E'cole des Beaux Arts, Paris:* The "Beer Sheva Experiment" in Medical Education

Surgical Meetings, Children's Hospital, Brigham and Women's Hospital, Harvard University, Boston 1984-1985.

18. -Otoplasty
19. -Rhinoplasty
20. -External fixators in finger reconstruction
21. -The self-locking pin in digital intern fixation
22. -A versatile technique for closure of skin defects in the hand
23. -The pressure sore prevention system
24. -The Beer Sheva Medical Education Experiment

Surgical Meetings: Albert Einstein & Montefiore Hospital, New York, 1984.

25. -The digital self-locking pin
26. -External fixation of finger
27. -Safety drainage in surgery
28. -Versatile small skin defect closure methods
29. -Pressure sore prevention system (PSPS)

The Mayo Clinic Surgical division Grand Rounds, Rochester, Minn. 1985

30. -The modified "H" plasty
31. -New generation of manual dermatomes
32. -External fixation in digital trauma
33. -Syringe drainage system
34. -The prevention of pressure sores by biofeedback approach

35. -A new generation of PSPS
36. -Computerized monitoring system for the PSPS
37. -Systematic approach to medical problem solving
Mayo Clinic Visiting Scientist Meeting, 1985
38. -The PSPS and biofeedback mechanisms in biomedicine.
- 39.-Problem definition and solving in medical R & D (Parts I,II)

Since 1985 innumerable lectures and seminars in the Ben Gurion University & Soroka Hospital.

(d) Participation in informal international seminars and workshops:

I never collected these details in the past. Virtually hundreds of lectures and seminars were given to universities and school students, to groups in various setups (such as army units, clubs and societies [not always directly related to Plastic Surgery], radio and TV talks, programs and debates, medical expeditions to third world countries).

(e) International medical & educational expeditions.

1987	Liberia
1988	Philippines
1989	Kenya
1990	Philippines
1991	Kenya
1992	Kenya
1993	Philippines
2008	Mongolia

(f see annex) Confidential: 96 Inventions, Patents and Developments

RESEARCH GRANTS

1. 1975 IDL (International Development Ltd.) to Rosenberg Lior: Development of the Rosenberg SLS (Self Locking Screw)- US \$ 74,000
2. 1984 Alex Vari to Rosenberg Lior & the B.G.University: The PSPS (the Pressure Sores Prevention System)- US \$ 145,000
3. 1987 to present: Ministry of Education, State of Israel to The Center for R & D of Advanced Cervices in Plastic Surgery (Shani Ester, Rosenberg Lior): Prevention of Burns and Home Related Accidents annual amount- US \$ 40,000
4. 1994 Dead Sea Works Ltd. to Rosenberg Lior: The Debridase enzymatic debridement of burns and other skin traumas- US \$ 100,000
5. 1995 Ministry of Work, State of Israel to Rosenberg Lior, Shani Ester & Azizi Ester (B.G.U. & Tel Aviv University): Prevention of Sun Exposure of Workers, annual amount of US \$ 400,000 total of- US \$ 800,000
6. 2002- present Partner in the European "BURNET", multinational burn research program > € 3,000,000

RESEARCH STUDENTS

(Besides the students tutored for their thesis)

1988 Yocheved Dotan M.A. Thesis, Ben Gurion University faculty of engineering (together with Dr. Jonathan Molcho from the faculty of Electricity): Laser Doppler Flowmetry.

1994 Ehud Sharlin: PhD Thesis, Ben Gurion University faculty of engineering (together with Dr. Jonathan Molcho from the faculty of Electricity): Burn Depth Assessment by Light Reflectance (Cum Laude).

1997 Sagit Shoshani, M.D. Thesis, Ben Gurion University school of medicine, retrospective assessment of the Minimal Trauma Surgical Approach to the Reconstruction of the Cleft Palate.

1997 Boris Melnic, MA project in Clinical Engineering, Ben Gurion University faculty of engineering (together with Dr. Jonathan Molcho from the faculty of Electricity): Medical Engineering-Pressure Differentiating Laser Doppler Flowmetry.

1997 Ilan Haim and Haiun Elhanani, first degree project (BSc), Ben Gurion University faculty of engineering (together with Dr. Jonathan Molcho from the faculty of Electricity): Analysis of Burn's Depth by Using Reflectance of Different Light Waves.

PRESENT ACTIVITIES

(a) Research in progress:

1. The Debridase enzymatic debridement of burns and other skin traumas-The Minimal Invasive Modality in Burn treatment: Chief Medical Officer Mediowound: prospective, controlled multicenter study.
2. New treatment of chemical war cutaneous trauma
3. Retrospective & prospective assessment of the Minimal Trauma Surgical Approach to the Reconstruction of the Cleft Palate.
4. The "Burnet" European 5th program- chairman of the scientific committee. Telemedicine in Plastic & Reconstructive Surgery and Dermatology: A multinational project (Israel, England, Jordan, Palestinian Authority, the M.B.C (Mediterranean Burn Council) and the W.H.O.
5. Development of several medical devices and systems.
6. Assessment of the burn prevention project.
7. Prevention, Early Detection and treatment of Skin Cancers Project (methods & means).

(b) Article submitted (*Only papers where I am first author are listed*)

1. Rosenberg, L. Jackson, I. Weisse, J. Sharpe, D. Tanner, B. Shafir, R.: Tissue expansion using external port: multicenter study of consecutive 64 patients. P.R.S.
2. Rosenberg, L. Jackson, I. Weisse, J. Sharpe, D. Shafir, R.: Fast Tissue Expansion: What is the speed limit?. P.R.S.
3. Rosenberg, L. Weisse, J. Shafir, R.: Self Expansion in Reconstructive Surgery. Pediatric Surgery.
4. Rosenberg, L. Weisse, J. Shafir, R.: Drainage in Liposuction procedures. P.R.S.
5. Rosenberg, L. Glesinger, R. Shafir, R.: Electrical Burns: Are they Electrical Burns? Burns.

BOOK IN PREPARATION; EDITOR

1. Algorithms for the Burned Hand

ADDITIONAL INFORMATION

FOUNDATION OF THE MUSEUM OF MEDICINE

I own a private collection of more than 5000 medical artifacts representing hundreds of years of various medical and healing practices. The exhibition items include medical and surgical instruments, books, manuscripts, various artifacts from around the world, a large wealth of slides and photographs. Several antique large stained glass church windows that are part of my collection of antique stain glass windows (more than 150 windows) illustrate medical topics. The value of the entire medical collection is estimated to be of more than US \$ 3 000 000.

Few of the artifacts were exhibited on various occasions (at the B.G. University in 1986, in several medical congresses, in the exhibition of “paintings, enemas and cupping glasses” in 1994 in Jerusalem and consisted an important part of the exhibition “Jews and Medicine” 1995 at the Nahum Goldmann Museum of the Jewish Diaspora). Many of the artifacts were reproduced to illustrate numerous books and papers.

The entire collection is now the subject of negotiations to become the first Israeli comprehensive museum of medicine.

MANAGING ACTIVITIES:

1. 1986-present Founding chairman of The University Center for Research and Development of advanced Services in Plastic Surgery, Ben-Gurion University.
2. 1987-Present: Reorganization and foundation, training and managing a department and a regional service in Plastic and Reconstructive Surgery including the unites & services for Burns, Hand Surgery, Craniofacial Surgery, Dermatooncological surgery and Lasers, Soroka University Hospital and the South Region of Kupat Holim.
3. 1993 Foundation and management of **L.R. R&D - LIRAD Ltd.**; A privately owned holding company for R & D.
4. 1995 Foundation and management of **L.R.S.I.** (Surgical Instruments): An Ofakim technological park-greenhouse based, privately & state owned company for development of Skin Graft Mesher & Dermatome.
5. 1997 Foundation and management (with Mr. Samuel Bar Ziv)of **ROZIV Ltd.**; A privately owned company for application of advanced technologies in medicine.
6. 2000-1 Foundation with Clal Biotechnologies Industries (CBI) **MediWound Ltd** and its Chief Medical Officer for the development and marketing of Debrase Gel Dressing, a safe, selective, fast, effective and simple enzymatic debridement agent.
7. 2000 founding & coordinating the Clalit National Cleft Lip & Palate and Craniofacial Deformities Unit